ADDENDUM NO. 2

February 25, 2013

RE: **Kitchen Improvements at Kirk Middle School**
140 Brennen Drive, Newark, Delaware 19713

for

Christina School District
700 North Lombard Street, Wilmington, Delaware 19801

EIA Project No. PP7279

FROM: EI Associates, Architects and Engineers
2001 North Front Street, Building 3
Harrisburg, PA 17102-2118

Telephone: (717) 233-4556 x1015 E-mail: ahollinger@eiassoc.com

TO: Prospective Bidders

This Addendum shall be incorporated into the Contract Documents and shall take precedence over any instructions that conflict therein. All items contained herein shall be considered in preparation of your proposal for the subject Project. Acknowledge receipt of this Addendum in the space provided on your Form of Proposal. Failure to do so may subject Bidder to disqualification.

This Addendum consists of 5 pages, plus the following accompanying documents:

Project Manual Documents:
Section 087100 "Door Hardware" (3 pages)
Section 114000 "Food Service Equipment," revised 2-25-2013 (10 pages)
Section 114000 – Bally Detail Sheets (8 pages)

Supplemental Drawings:

ASK1	Detail B/A1 (ref. Dwg. A1); dated 2-20-2013
SKFS-1	Foodservice Equip. Utility Schedule Revisions (ref. Dwg. FS-1.8); dated 2-20-2013
SSK1	Typical Detail 14/S2.1; dated 2-20-2013
ESK-1	Partial First Floor Plan & Panel Schedule Revisions (ref. Dwg. E1); dated 2-22-2013

Full Size Drawings:

CC01	Lines & Grades Plan; dated 1-31-2013
FS-1.6	Foodservice Equipment Refrigeration Schedule – revised 2-20-2013
FS-1.7	Foodservice Equipment Refrigeration Schedule – revised 2-20-2013

CHANGES TO BIDDING REQUIREMENTS:

2.1 Bid Schedule (p. BS-1): Under "Bids Due," revise the following:

A. Change the time bids are due for this project from 2:00 p.m. to **4:00 p.m.** The date remains unchanged (March 1, 2013).

B. The city and zip code are incorrect; change the line, "Newark, DE 19711," to "Bear, DE 19701." The city and zip code are correctly shown for the Eden Support Center in the Instructions to Bidders and Bid Form.

CHANGES TO CONTRACTING REQUIREMENTS:

2.2 Supplementary Conditions; Article 8; paragraph E (p. SC-4): Add new subparagraphs as follow:

(1) Provide all necessary measures to protect existing facilities-to-remain against damage from exposure to weather, construction activities or unauthorized access. Exact locations, dates of installation and removal, materials, configurations and other aspects of construction of such partitions shall be subject to the review and approval of Owner.

(2) Where portions of roofing system or exterior walls or doors are cut open or removed, thereby exposing the building interior, utilities, finishes, or other in-place work (new or existing) to the outside, provide temporary weather-tight enclosure that is also secure from intrusion by unauthorized persons.

(3) On building interior, provide indoor air quality control by separating construction areas from existing kitchen areas-to-remain and other Owner-occupied areas at risk of being soiled or damaged due to construction work. Seal and isolate construction areas from adjoining finished or Owner-occupied areas in order to strictly limit airborne transmission of dust and fumes into such adjoining areas and to maintain them as clean and healthy indoor environments.

a. Kitchen areas in Kirk M.S. will not be used much during the summer.

b. At a minimum, construct interior temporary partitions from floor to deck above with 3-5/8-inch metal stud or 2 x 4 fire-retardant-treated wood stud framing and minimum 6-mil polyethylene sheet attached on one side. Seal barrier at all openings, gaps and joints to prevent dirt and dust transmission. Provide with temporary "doorways" of acceptable materials where necessary for construction access, Owner access, or emergency egress. Provide weatherstripping or other suitable dust barrier on doorways. Provide walk-off mats at each doorway through temporary partitions.

c. Examine perimeter surfaces of work area for openings, penetrations and joints. Provide suitable temporary or permanent (as applicable) closure of such openings.

d. Seal off permanent HVAC equipment inlets/outlets, return air ducts, air transfer ducts, or inactive ducts that remain in the work area, after verifying that air flow is otherwise provided to active systems serving Owner-occupied areas.

5. Provide <u>negative air pressure</u> in work areas by installing temporary ventilation system with adequate makeup air and fans to exhaust contaminated air to the exterior away from outdoor air intakes.

(4) Immediately remedy breaches in the isolation facilities and clean-up surrounding occupied or finished areas that become contaminated.

2.3 Supplementary Conditions; Article 8 (p. SC-5): Add new paragraphs G & H as follow:

G. Construction materials shall be secured, protected, and suitably stored.

H. School District Summer Work Schedule: After the students leave school in June, the District will be operating on a summer schedule. The buildings will be open 4 days a week (Monday to Thursday), from 6:30 a.m. to 5:00 p.m. Prior to the summer schedule the buildings will be open 5 days a week 6:30 a.m. to 10:00 p.m. Contractor shall perform its work on site on the same days and hours that the District has the building open; however, the District will work with the Contractor to open the building on Fridays during the summer if necessary to complete the project on time. Refer also to Section 011000, paragraph 1.11-B.

CHANGES TO SPECIFICATIONS:

2.4 Section 033053; Paragraph 3.10-A (p. 033053-6): Revise to read, "Testing Agency: Owner will engage and pay a qualified testing agency to perform tests and inspections. Contractor to coordinate and schedule testing agency at the appropriate times. Testing agency is to report inspection results promptly and in writing to Owner, Contractor, and Architect. Correct deficiencies in the Work that test reports and inspections indicate do not comply with the Contract Documents."

2.5 Section 042000; Subparagraph 3.12-A.1 (p. 042000-9): Revise to read, "Except as indicated otherwise, Owner will engage and pay a qualified independent testing and inspecting agency to perform indicated field tests and inspections and to prepare test reports. Contractor shall coordinate and schedule testing agency at the appropriate times."

2.6 Section 055000: Submit shop drawings for structural steel and steel decking under this Section. Owner will engage and pay a qualified testing and inspection agency to perform tests and inspections on structural steel and decking. Contractor to coordinate and schedule testing and inspection agency at the appropriate times. Testing agency is to report inspection results promptly and in writing to Owner, Contractor, and Architect. Correct deficiencies in the Work that test reports and inspections indicate do not comply with the Contract Documents.

2.7 Section 081113: Delete references in this Section to HM doors; HM frame requirements shall remain.

2.8 Division 08: Add Door Section 087100 "Door Hardware" copy of which accompanies this addendum.

2.9 Section 096517: Two authorized installers for Altro flooring are:

Connolly Floors, tel. 302- 996-9470, attn: Mike Connolly

Tri-State, tel. 302-654-8193, attn: Dave Michaloski

2.10 Section 114000: Void the original Section in the Project Manual and replace with revised Section 114000, copy of which accompanies this addendum. Add 8 pages of Bally Detail Sheets, copies of which accompany this addendum, to the end of this Section as additional information.

CHANGES TO DRAWINGS:

2.11 Add new Drawing CC01 “Lines and Grades” site plan to bid set, copy of which accompanies this addendum.

2.12 Drawing A1: The jamb and head details for door opening M111H-1 show new metal furring and drywall, which is required on the inside of Storage M111H even though it is not shown on the plans (Base Bid or Alt. Bid). Refer also to Room Finish Schedule, which indicates gypsum wall board on the walls for Storage M111H. The only other gypsum wall board and framing required on this project is the partition closing the gap between the top of the tops of the new walk-in units and the structure above, as shown on the Wall Section.

2.13 Drawing A1; Floor and Roof Plans: Add references to Detail B/A1 at west wall of Walk-in Refrigerator M111J in area of new addition.

2.14 Drawing A1: Add Detail B/A1 as shown on supplemental Drawing ASK1, copy of which accompanies this addendum.

2.15 Drawing FS-1.5; Walk-In Insulated Floor Depression Details 7.06, 7.06.1, 7.06.2, 7.06.3 and 7.06.4: Floor depression indicated should be 6" not 8" (verify with mfr), and field-applied floor finish inside walk-ins is to be sheet vinyl (Section 096517), not quarry tile.

2.16 Drawings FS-1.6 & FS-1.7: Delete Drawings as originally included in bid set and replace with revised Drawings FS-1.6 & FS-1.7, copies of which accompany this addendum. On the “Section Thru Entrance Door” on these new drawings, delete note referring to “Epoxy Flooring by Others.”

2.17 Drawing FS-1.8; Foodservice Equipment Utility Load Schedule: Revise electrical characteristics as shown on supplemental Drawing SKFS-3, copy of which accompanies this addendum.

2.18 Drawings A1, S2.1 and FS-drawings: Make minor adjustments to dimensions shown for construction to accommodate revised dimensions of the new walk-in refrigerator and freezer units as indicated elsewhere in this addendum by changes to specific FS-drawings and Section 114000 specifications.

2.19 Drawing S1.1; Structural Notes – Foundation Subgrade Preparation Requirements: In Note 1, add the following: “Compact subgrade to not less than 98 percent of maximum dry unit weight according to ASTM D 698. Coordinate and schedule Geotechnical Engineer (engaged by Owner) to test subgrade to verify acceptable compaction density.”

2.20 Drawing S2.1; Foundation Plan 1/S2.1: In note regarding 4" slab on grade, add the word “BARRIER” after the word “VAPOR.”

2.21 Drawing S2.1: Add Typical Detail 14/S2.1 as shown on supplementary Drawing SSK1, copy of which accompanies this addendum, to show wall bearing details for new steel beams.

2.22 Electrical Drawings: Clarification: Electrical – General Notes and Conditions:
Running exposed surface mounted conduit to new kitchen equipment shall be acceptable only in cases where it’s not feasible to run inside block due to the block being filled with concrete or structural steel makes it impossible. Surface mounted conduit shall be installed in a workman like manner at right angles to the existing floor and ceilings and meets all National Electrical Code requirements. Where new circuit wiring is required to be run from existing panels that are

recessed in masonry wall, the wiring shall be run in existing conduits that provide access to the panel through the masonry wall. This may require the installation of new wiring in a conduit with existing wiring. Where new wiring is to be installed in a conduit with existing wiring, the National Electrical Code requirements for number of wires in a conduit shall be followed.

2.23 Drawing E1: Revise Partial Floor & Roof Plans and Existing Power Panel Schedules as shown by clouded marks on supplemental Drawing ESK-1, copy of which accompanies this addendum.

SUPPLEMENTAL INFORMATION:

2.24 Bidders are reminded that patching and repair requirements (specified in Sections 017300 and 024119), following selective demolition and other cutting operations, include matching of new, patched finishes to existing adjoining undisturbed finishes. Not all finishes required have a specification section. It is bidders' responsibility to field verify such finishes.

2.25 It shall be assumed that new concrete slab substrate may be too 'green' to receive direct application of new/patched finishes; accordingly, include floor finish manufacturer's recommended seal coating for 'green' concrete to reduce moisture vapor emission rate to acceptable level for installation of its flooring.

END OF ADDENDUM

SECTION 087100 - DOOR HARDWARE

PART-1 GENERAL

1.01 Summary:

A. This Section includes door hardware, and all associated parts required to complete the Work.

B. Accessories and other items of hardware, as may be required, but not specifically mentioned, shall be provided, be suitable to the service intended, and be of the same quality, weight, and finish as that mentioned for similar parts adjacent thereto.

C. Should it be determined that hardware, as specified in certain locations, due to detail or size of members to which the hardware is to be applied, is unsuitable, provide, in lieu thereof, hardware of the proper type. Such hardware shall be similar in operation and equivalent to the type specified, sizes specified being considered the minimum.

D. Refer to Drawings and Door Schedule in conjunction with this Section.

F. Related work specified in other Sections:

1. Division 8 Section "Hollow Metal Doors and Frames."

1.02 Submittals:

A. Product Data: Include installation details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Shop Drawings: Proposed Finish Hardware Schedule, in "vertical" format.

1. No hardware shall be ordered until final acceptance from the Architect.
2. The final Hardware Schedule shall coordinate hardware with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of hardware.
3. Content: Submit schedule in vertical format. Include the following information:

    a. Type, style, function, size, label, hand, degree of opening and finish of each door hardware item.
    b. Manufacturer of each item.
    c. Fastenings and other pertinent information.
    d. Location of each door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
    e. Explanation of abbreviations, symbols, and codes contained in schedule.
    f. Mounting locations for door hardware.
    g. Door and frame sizes and materials.

1.03 Quality Assurance:

A. Code Requirements: Furnish and install hardware in accordance with applicable requirements of Code authorities having jurisdiction, Underwriters' Laboratories (UL), and the Americans with Disabilities Act (ADA), notwithstanding any real or apparent conflict therewith in these Specifications.

1.04 Delivery and Storage:

A. Deliver hardware to the Contractor at the building site properly wrapped with a protective cover, complete with all required screws, bolts, and other hardware required for installation; each set or piece clearly labeled and identified for location and application to the correct opening by set or item numbers corresponding to those used in the Hardware and Door Schedules.

B. Contractor shall receive and check hardware against delivery receipts. Provide a safe, dry, and locked storage area for hardware until installation is complete. Upon completion of Project, turn over all keys, properly tagged, to Owner.

1.05 Coordination:

A. Templates: Hardware supplier shall furnish all necessary template information or hardware, as required, to all firms requesting same, in order that they may make proper provisions for the accurate setting and fitting of hardware items as it applies to their work.

B. Hand of Door: Drawings show direction of slide, swing, or hand of each door leaf. Furnish each item of hardware for proper installation and full operation of door movement as shown.

C. Coordinate with door and frame manufacturers for proper reinforcement and preparation to receive hardware. Unless indicated otherwise, doors shall be constructed and reinforced to enable hardware installation without through-bolts.

PART-2 PRODUCTS

2.01 Hardware - Basic Requirements:

A. Refer to Hardware Schedule in Part 3 for products.

B. Keying & Cylinders: Provide hardware compatible with existing Kirk MS cylinder cores (Corbin, 77 Keyway).

1. Coordinate the keying and lock functions of all locks with the Owner.

PART-3 EXECUTION

3.01 Hardware Installation:

A. Prior to installing hardware, Installer shall examine all areas and conditions where hardware is to be installed, and shall notify Contractor, in writing, of any problems. The installing of hardware shall indicate acceptance of areas and conditions; Installer shall assume the responsibility for any unacceptable finished work.

B. Install hardware in a workmanlike manner in strict accordance with the manufacturer's directions. Hardware shall be kept free from scratches, mortar, acid, and paint products. Damaged or lost hardware shall be replaced at the Contractor's expense. All wrapping furnished by the manufacturer for knobs, handles, pulls, etc. shall be reapplied to the hardware as it is installed, and shall remain thereon until Substantial Completion.

3.02 Hardware Schedule:

A. The following Schedule is included as a guide in establishing the manufacturer, brand, quality, type, and function of hardware required for each opening. Quantities listed under each Hardware Set are for each opening, whether a pair of doors or a single door.

B. Furnish UL-listed hardware with door closers for all labeled doors, if not specified.

HARDWARE SET #1 (KIRK MS)				
3	Hinges	TA2714 4-1/2 X 4-1/2	US26D	McKinney
1	Classroom Lock	CL3355 NZD GMK	US26D	Corbin Russwin
1	Kick Plate	K1050 - 8" x 2" LDW 4BE	US32D	Rockwood
1	Mop Plate	K1050 - 4" x 2" LDW 4BE	US32D	Rockwood
1	Overhead Stop	10-X36	652	Rixson
3	Door Silencers	608 -OR- 609	GREY	Rockwood

END OF SECTION

SECTION 114000 - FOOD SERVICE EQUIPMENT

PART-1 GENERAL

1.01 Summary:

A. This Section includes the furnishing and installation, by a Food Service Equipment Contractor (FSEC), of all items of food service equipment, with accessories and appurtenant parts required to provide a complete and operating food service system as shown and called for in the Drawings and Specifications, or reasonably inferable there from. All parts or appurtenances required to make a system or item complete and satisfactorily operative shall be provided, even though such part or appurtenance may not be specifically mentioned or shown. Work of this Section shall include all motor starters for other than fractional horsepower motors, connection terminals, controls and control wiring, overload protection, safety devices, and other equipment required by N.E.C., faucets, waste traps, escutcheons, and other appurtenances necessary for proper operation of the equipment.

B. Items of equipment hereafter listed and described by a certain manufacturer's name and model designation shall, unless otherwise indicated, be furnished complete with all components, accessories, finishes, and other operational and construction features as are listed or indicated in the named manufacturer's specifications or catalog data, current at time of bidding, as "standard" or otherwise furnished with that particular model mentioned herein. Each item shall, in addition, be furnished with such optional accessories or special features as are further herein specified.

C. Related Work By Others:

1. The Electrical Subcontractor shall provide electrical power supply for equipment to the locations shown on equipment rough-in drawings and make final connections to equipment terminal blocks or control box. Disconnect switches, or other protective devices and other electrical items not an integral part of the equipment, shall be furnished and installed by the Food Service Equipment Installer. All control wiring, whether controls are equipment mounted or remote, shall be the responsibility of the Contractor furnishing the food service equipment.
2. The Plumbing Subcontractor shall provide waste, and gas supply services to the locations shown on equipment rough-in drawings, and will make final connection of these services to faucet legs and trap tail-pieces provided by the Contractor furnishing the food service equipment.

1.02 Submittals:

A. Coordination Drawings: After Award of Contract, submit to the Architect equipment rough-in coordination drawings. These drawings shall indicate, by dimension, the size and location of each service connection required (i.e., water, waste, gas, electric, etc.) to each piece of equipment. The Contractor shall be responsible for the size and location of these services installed in accordance with these drawings. These drawings shall be submitted to the Architect in at least eight copies; two copies, bearing Architect's acceptance, shall be furnished to each Contractor furnishing services to the equipment.

B. Shop Drawings: Submit to Architect for review before any item of equipment is fabricated or purchased. Shop drawings or, in the case of purchased items, manufacturers' data sheets, shall describe, in detail, the size and type, construction details, gauge and finish of metals, service characteristics, capacities, fittings or accessories furnished, and other pertinent information for each item of equipment.

1.03 Quality Assurance:

A. All materials shall be new and of first quality. All work shall be performed in accordance with the best practices and highest standards of the industry.

B. All items of equipment shall be approved by the National Sanitation Foundation and meet the requirements of the pertinent State of Delaware agencies. All work shall be performed in accordance with all applicable state and local codes. All electrical items shall be UL-approved and meet the requirements of the National Electrical Code.

C. The mention of a manufacturer's name or model number relative to certain pieces of equipment is intended to indicate the type, kind, or quality required for that specific item and shall not be construed to limit the work to that particular manufacturer mentioned. However, the Contractor shall not presume to furnish equipment other than that specified without the Architect's review and acceptance of such proposed substitution in accordance with Instructions to Bidders, Article "Product Substitutions."

D. R-12 refrigerant shall not be used in any equipment items.

1.04 Warranty:

A. The Food Service Equipment Contractor shall guarantee all items of equipment for a period of at least two years and shall repair or replace, to the Owner's satisfaction, any item showing failure or fault during this period, without cost to the Owner. Manufacturer's warranties, shall be assigned and delivered to the Owner.

PART-2 PRODUCTS

2.01 Schedule of Equipment:

A. For location and identification purposes, item numbers preceding the item title, as specified herein, refer to the items used on the Kitchen Layout.

B. Items specified herein in the singular reference shall be furnished in the quantities as shown on the Kitchen Layout or as hereinafter specified.

C. Manufacturers: Equipment catalog model designation numbers of the manufacturers named herein are used to establish the model type, size, design, and quality features required for the various items of equipment included in this Section.

SPECIFICATIONS

FSEC IS RESPONSIBLE FOR ALL FINAL FIELD CONDITIONS (VERIFY ANY AND ALL OBSTRUCTIONS) AND OR DIMENSIONS. FSEC IS RESPONSIBLE FOR RUNNING INTER-CONNECTIONS (EVAP.COIL DRAINS LINES, HEAT TRACE TAPE ETC.)

FSEC RESPONSIBLE FOR RIGGING AND PLACEMENT (INCLUDING METALLIC ANCHORS IF NECESSARY) OF COMPRESSOR/CONDENSER. PRESSURE AND SUCTION LINES RAN AND SOLDERED BY FSEC. START UP BY FSEC.

FSEC T0 PROVIDE 16 GAUGE #4 MILL FINISH STAINLESS STEEL VALANCE(S) TO COVER ALL OPEN AREAS OF WALK-IN-COMPLEX. THIS INCLUDES FINISHING TRIMS AS WELL.

REFER TO BALLY DETAIL SHEETS (8 pages) AT END OF THIS SECTION FOR ADDITIONAL INFORMATION.

ITEM # 3.013 BLAST CHILLER (QTY.1) TO REMAIN

Item 3.001 - WALK-IN-COOLER (+35) (1 REQ'D)
KIRK – 12-2726-0-1-JMH

INDOOR STRUCTURE:
NSF Approved
BALLY Prefabricated Exterior Dimensions:
17’ – 9 ¾” Length x 14’ – 5 ½” Width x 8’-10” Height
2 Compartments with Floor
Ceiling: Single Span
Panel Thickness: 6” Exterior Vertical Used (7’-10”) with 4” Partition, 6” Floor, 6” Ceiling

Details and Specifications:
Comments:
Cooler

Base Finish:
Vertical and Ceiling Panels: Embossed Galvalume (26 GA)
Base Finish Interior Floor: Galvanized (16 GA)

Special Finishes:
Interior Verticals – Stainless Steel 22 Ga. (Smooth)
Interior Ceiling – Stainless Steel 22 Ga. (Smooth)
Exposed Ext. Verticals – Stainless Steel 22GAa. (Smooth)

Doors/Openings:
(1) 3’ x 6’-6” L/F Metal Capped Wood Framed Opening

Doors Accessories:
(1) 4 1/2” Dial Type Thermometer w/ 5’ Cap Tube
(1) DataHub System

Accessories and Extras:
(1) Bally Standard Pressure Relief Port (< 400sq/ft)
(1) J-Box & Conduit (Recept & Wiring by Others)
(6) LED Kason 1810 48" w/ (2) Lamps
(1) Jamoclear Lamison 36" Door
(20) L/F Stainless Steel (22Ga.) Capping – Ceiling
(1) Light Switch
(1) Lot of 21" S/S Wire Cant. 5 Tier Shelves
(1) Modularm Phone Dialer

Refrigeration:
(1) BQZA 020 H8 HT3AB **(208-230/3/60)** - Copeland Scroll # ZB15KCE
(1) Htd. & Insul Receiver (Below 10 Degrees) **0.5 – 3 HP**
(1) BLP 320-MA-S1BPE **20000 BTU 115/1/60** – Low Profile Evap. **(3)** Fans Air Defrost
(1) Sound Insulated Compt. **0.5-3HP**

Estimated Shipping:
Weight: 7,102.84
Destination: Wilmington, DE

Exclusions (Items Not Supplied by Bally):
Labor on Warranties
Supervision
Tubing, Wiring for Rfg. Equipment
Compressor Rack
Caulking and Sealants
Closure Panel and Trim
Sleeves, Penetrations, Escutcheon Plates
Floor Insulation and Vapor Barrier

Bally Refrigerated Boxes, Inc. is compliant with Federal Energy Independence and Security Act of 2007 (Public Law 110-140) Title III; Section 312, regarding Walk-In Coolers and Walk-In Freezers.

Cancelled Orders:
Cancelled unshipped standard walk-ins will be charged a 30% restocking fee plus the cost of special panels. Cancelled refrigeration systems will be charged a
30% restocking fee and the cost of any freight accrued. Buy-out items will be charged a 25% restocking fee plus any freight accrued.

Agency Ratings: Bally units comply or surpass applicable Flame Spread-25, UL, UL 723, & NSF standards in a manner conforming to ASTM E-84, and Factory Mutual standards.

Quotation Limitations:
This quotation was based upon the specifications given to Bally which may possibly be incomplete. Bally is not responsible for items missing from the quotation due to incomplete or excluded items in the specifications received from the customer. The customer is responsible for reviewing the quotation for omissions or deviations from the specifications given to Bally. All portions of the quotation are subject to revision upon receipt of detailed specifications or if changes are made following the delivery of the original quotation.

Panel Construction: Bally Panels are manufactured with environmentally friendly HFC 245-FA polyurethane foam. This polyurethane foam offers the highest thermal insulation value and the most energy efficiency per cubic inch in comparison to similar foams. It has a zero Ozone Depletion Potential (ODP) and a low Global Warming Potential (GWP). It is not considered a Volatile Organic Compound (VOC) in the US. Standard 4" Bally panels meet the 2009 Federal Energy Standards.

Refrigerants: Unless otherwise specified, refrigeration systems are quoted with environmentally friendly HFC R404A refrigerant. It has a zero Ozone Depletion Potential (ODP). The EPA lists it as an acceptable substitute for ozone-depleting substances.

Automatic Door Closers: Bally includes automatic door closers and spring loaded hinges on all doors 42" wide and smaller as a standard feature with no additional charge that meet the 2009 Federal Energy Standards.

Motors: Bally units are quoted with EC and PSC motors in compliance with federal energy standards, for increased energy savings.

Lighting: Bally units are quoted with lighting in compliance with federal Energy Standards for increased energy savings.

Optional Features: Bally offers additional optional energy-saving features such as Walk-In Alarm & Light Management systems that comply or surpass the 2009 Federal energy regulations

Bally Refrigeration Warranty Coverage Includes the following: 10 year Panel Warranty, 1 year Parts Warranty, 5 Year Compressor Warranty, 5 Year Refrigeration System Warranty, 1 Year Labor Warranty on 3 HP units or lower.

Item 3.002 - EVAPORATOR COIL COOLER (+35) (1 REQ'D)

Bally Refrigerated Boxes Model CUSTOM

See item #3.001 for full specifications

Item 3.003 - REMOTE CONDENSER UNIT (1 REQ'D)

Bally Refrigerated Boxes Model CUSTOM

See item 3.001 for full specifications. See AFS Standard Detail 7.06, 7.06.1, 7.06.2, 7.06.3, 7.06.4, 17.1, 17.2, 17.3, 17.4, 17.5, 17.6, 17.8, and 17.9. Curb by G.C.

Item 3.004 - WALK-IN-FREEZER (-10) (1 REQ'D)
KIRK MS – 12-2726-2-1 – JMH (FREEZER)

INDOOR STRUCTURE:
NSF Approved
BALLY Prefabricated Exterior Dimensions:
14'-5 ½" Length x 13' – 11 ¾" Width x 7'-10" Height
3 Compartments with Floor
Ceiling: Single Span
Panel Thickness: 6" Exterior Vertical Used (6'-10") with 4" Partition, 6" Floor, 6" Ceiling

Details and Specifications:
Comments:
Freezer

Base Finish:
Vertical and Ceiling Panels: Embossed Galvalume (26 GA)
Base Finish Interior Floor: Galvanized (16 GA)

Special Finishes:
Interior Verticals – Stainless Steel 22 Ga. (Smooth)
Interior Ceiling – Stainless Steel 22 Ga. (Smooth)
Exposed Ext. Verticals – Stainless Steel 22GAa. (Smooth)

Doors/Openings:
(1) 36” x 78” Hinged Door in a 46” x 82”Panel

Doors Accessories:
(1) 4 1/2” Dial Type Thermometer w/ 5’ Cap Tube
(1) DataHub System
(1) Foot Treadle
(2) Observation Window (14 x 24) Norfab w/ Aluminum Frame
(1) Super Door 36” Wide and Under, 36” High

Accessories and Extras:
(1) Bally Standard Pressure Relief Port (< 400sq/ft)
(3) LED Kason 1810 48” w/ (2) Lamps
(9) L/F Stainless Steel (22Ga.) Capping – Ceiling
(1) Lot of 21” S/S Wire Cant. 5 Tier Shelves
(1) Modularm Phone Dialer

Refrigeration:
(1) Htd. & Insul Receiver (Below 10 Degrees) **0.5-3 HP**
(1) BQZA 055 L6 HT3AF **(208-230/3/60)** - Copeland Scroll # ZF15K4E
(1) BLP 419LE-S2BPE **19000 BTU 208/230/1/60** – Low Profile Evap. **(4)** Fans Elect. Defrost
(1) Sound Insulated Compt. **+3.5HP**

Estimated Shipping:
Weight: 6,209.49
Destination: Wilmington, DE

Exclusions (Items Not Supplied by Bally):
Labor on Warranties
Supervision
Tubing, Wiring for Rfg. Equipment
Compressor Rack
Caulking and Sealants
Refrigeration Accessories
Closure Panel and Trim
Sleeves, Penetrations, Escutcheon Plates
Floor Insulation and Vapor Barrier

Bally Refrigerated Boxes, Inc. is compliant with Federal Energy Independence and Security Act of 2007 (Public Law 110-140) Title III; Section 312, regarding Walk-In Coolers and Walk-In Freezers.

Cancelled Orders:
Cancelled unshipped standard walk-ins will be charged a 30% restocking fee plus the cost of special panels. Cancelled refrigeration systems will be charged a
30% restocking fee and the cost of any freight accrued. Buy-out items will be charged a 25% restocking fee plus any freight accrued.

Agency Ratings: Bally units comply or surpass applicable Flame Spread-25, UL, UL 723, & NSF standards in a manner conforming to ASTM E-84, and Factory Mutual standards.

Quotation Limitations:
This quotation was based upon the specifications given to Bally which may possibly be incomplete. Bally is not responsible for items missing from the quotation due to incomplete or excluded items in the specifications received from the customer. The customer is responsible for reviewing the quotation for omissions or deviations from the specifications given to Bally. All portions of the quotation are subject to revision upon receipt of detailed specifications or if changes are made following the delivery of the original quotation.

Panel Construction: Bally Panels are manufactured with environmentally friendly HFC 245-FA polyurethane foam. This polyurethane foam offers the highest thermal insulation value and the most energy efficiency per cubic inch in comparison to similar foams. It has a zero Ozone Depletion Potential (ODP) and a low Global Warming Potential (GWP). It is not considered a Volatile Organic Compound (VOC) in the US. Standard 4" Bally panels meet the 2009 Federal Energy Standards.

Refrigerants: Unless otherwise specified, refrigeration systems are quoted with environmentally friendly HFC R404A refrigerant. It has a zero Ozone Depletion Potential (ODP). The EPA lists it as an acceptable substitute for ozone-depleting substances.

Automatic Door Closers: Bally includes automatic door closers and spring loaded hinges on all doors 42" wide and smaller as a standard feature with no additional charge that meet the 2009 Federal Energy Standards.

Motors: Bally units are quoted with EC and PSC motors in compliance with federal energy standards, for increased energy savings.

Lighting: Bally units are quoted with lighting in compliance with federal Energy Standards for increased energy savings.

Optional Features: Bally offers additional optional energy-saving features such as Walk-In Alarm & Light Management systems that comply or surpass the 2009 Federal energy regulations

Bally Refrigeration Warranty Coverage Includes the following: 10 year Panel Warranty, 1 year Parts Warranty, 5 Year Compressor Warranty, 5 Year Refrigeration System Warranty, 1 Year Labor Warranty on 3 HP units or lower

Item 3.005 - EVAPORATOR COIL FREEZER (-10) (1 REQ'D)

Bally Refrigerated Boxes Model CUSTOM

See item #3.004 for full specifications

Item 3.006 - REMOTE CONDENSER UNIT (1 REQ'D)

Bally Refrigerated Boxes Model CUSTOM

See item 3.004 for full specifications. See AFS Standard Detail 7.06, 7.06.1, 7.06.2, 7.06.3, 7.06.4, 17.1, 17.2, 17.3, 17.4, 17.5, 17.6, 17.8, and 17.9. Curb by G.C.

Item 3.007 - OPEN NUMBER

Item 3.008 - OPEN NUMBER

Item 3.009 - OPEN NUMBER

Item 3.010 - STORAGE SHELVING UNITS

Bally Refrigerated Boxes Model CUSTOM

Cantilevered shelving by Bally-Per Shop drawing plan

Item 3.011 - STORAGE SHELVING UNITS

Bally Refrigerated Boxes Model CUSTOM

Cantilevered shelving by Bally- Per Shop drawing plan

Item 3.012 - STORAGE SHELVING UNITS

Bally Refrigerated Boxes Model CUSTOM

Cantilevered shelving by Bally - Per Shop drawing plan

PART-3 EXECUTION

3.01 Fabrication:

A Field joints, where required, shall be steel reinforced and gasketed so that tops can be tightly jointed to a hair-line connection.

C. Welds shall be of full penetration and the entire length of the joint, without imperfections, burns, or buckles. Welds shall be ground and polished to match color and finish of adjacent metal. Welding shall be by electric fusion metal-arc method using rods of same composition and material as parts welded.

D. All exposed surfaces, and other surfaces where possible, shall be free of bolt, screw, or rivet heads. Wherever bolts are used, they shall be of concealed type, and wherever they occur on the inside of the fixtures and are visible or subject to contact by hands or wiping cloths, they shall have suitable lock washers and chrome-plated brass or bronze acorn nuts.

E. All soldering for water lines shall be done with lead-free solder.

3.02 Materials:

A. Unless otherwise indicated, fabricated items shall be constructed of the following materials:

1. Stainless steel shall be Type 302, 18-8 composition of U.S. Standard gauge specified.
2. Exposed faces shall have #4 mill finish; concealed faces shall have minimum 100 grit finish.
3. Hardware shall be heavy-duty chromed white metal or stainless steel.

3.03 Installation:

A. Equipment shall be installed level and square in its final position as shown on drawings. Trim and traps shall be installed ready for final connections by Plumbing Contractor. All controls, control wiring, and terminal blocks shall be in place and prepared for power connection by the Electrical Contractor.

3.04 Testing and Cleaning:

A. After all equipment is finally installed and connected, the Contractor shall test all lines and services, and shall determine that all such services are satisfactory and operational. All items of equipment shall then be put into operation and adjusted to the satisfaction of the Owner and Architect. All equipment shall finally be thoroughly cleaned and otherwise be prepared for use by the Owner.

3.05 Instructions:

A. The Contractor shall provide selected members of the Owner's dietary and educational staff with a period of instruction wherein the proper and safe use and operation of the complete food service system is demonstrated and explained. The instruction period shall be of such duration that those personnel in attendance will be reasonably well trained in the operation of all equipment. The instruction may be by, or instructor may be, a factory representative or a member of the Contractor's staff; however, he shall, to the satisfaction of the Owner and the Architect, be knowledgeable and proficient in the operation of the equipment demonstrated.

B. The Contractor shall provide the Owner with manufacturers' instruction and maintenance manuals for all items with moving parts or items for which replacement or repair parts can be anticipated.

3.06 Sanitary Sealing:

A. All joints between equipment items abutting or adjoining item to item; all joints between walls and equipment items abutting thereto; and, all other wall, ceiling, and floor joints between dissimilar materials or other such joints otherwise open to entry of spillage, soil, or bacterial shall be caulked tight, full, and continuously with General Electric Company's silicone clear sealant, in

conformance with the regulations set forth by the State Departments of Health and Environmental Resources.

END OF SECTION

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BQZA020H8-HT3A

QUIET LINE - SCROLL CONDENSING UNIT

PURCHASER :		SUBMITTED BY :	**Joan M. Hoch**
PROJECT :	**Kirk MS**	DATE :	**06 Feb 2013**
ORDER # :	**02860.39238.00136P-A00**	ITEM # :	**1**
QUOTE # :	**Q31JKJMHE-A**	ID # :	
PURCHASER'S PO # :		TAGGING :	**Cooler**

MODEL FEATURES

- Copper tubing secured with cushion clamps
- Discharge line thermostat
- Pre-formed piping
- Receiver with fusible plug and liquid shut off valve
- Space saving, compact design
- Sturdy electrical control box with compressor contactor and fused control circuit
- Suction and discharge service valves
- Weatherproof electrical control box with compressor contactor and fused control circuit
- Welded hermetic Scroll compressor
- Heavy guage galvanized steel cabinet construction
- Ultra efficient Electronically Commutated Motor (ECM)
- Unit shipped with Nitrogen Holding Charge
- Powder Coat Painted Cabinet
- Gold Coat Fins
- High efficiency enhanced copper tube and aluminium fin coil design
- EC Motor Speed Controller

MODEL OPTIONS (* = Shipped Loose)

PRE-ENGINEERED OPTION PACKAGE
- [ ] A - STD
- [ ] B
- [ ] C
- [1] D
- [ ] E
- [ ] F
- [ ] G
- [ ] H
- [ ] J
- [ ] K

- [ ] **115V Control Circuit**
- [1] **Compressor Sound Insulation**
- [ ] **Discharge Line Check Valve**

DISCONNECT SWITCH
- [ ] Non-Fused

- [ ] **Extended 4-Year Compressor Warranty**

FIN AND COIL MATERIAL
- [ ] Electro Fin Coating
- [ ] Copper Fins
- [ ] Heresite Coating

- [1] **Heated and Insulated Receiver**

LIQUID LINE FILTER + SIGHT GLASS
- [1] Sealed

- [ ] **Pump Down Toggle Switch**

SUCTION ACCUMULATOR
- [ ] Without Heat Exchanger

SUCTION FILTER
- [ ] Sealed Type

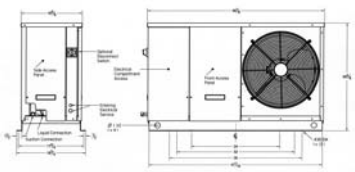
TIME CLOCK
- [ ] Paragon 8145 Style
- [ ] *230V Paragon 8145 Style
- [ ] *115V Paragon 8145 Style

- [ ] **Wall Mount Kit**
- [ ] **Wind Guard**

VOLTAGE	SYSTEM REFRIGERANT	RATING	SUCTION TEMP	AMBIENT TEMP	CAPACITY
208-230/3/60	**R404A**	**2Hp**	**25.7 °F**	**95.0 °F**	**18,647 BTUH**

FANS			COMPRESSOR				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	RLA	LRA	AMPS	WATTS	MCA†	MOP‡
1	**165W**	**1.7**	**ZB19KCEPFV**		**8.9**	**55**	**10.6**		**12.8**	**20**

Dim A	
Dim B	
Dim C	
Dim D	
LIQUID	**3/8 in**
SUCTION	**7/8 in**
SOUND	**58dBA**
WEIGHT	**325 lb**
CAPACITY	**14 lb**



Dimensions shown are for standard unit less options. See certified drawing for more details.
* Indicates Option Is Shipped Loose
† MCA.. Minimum Circuit Ampacity
‡ MOP.. Maximum Overcurrent Protection
MCA & MOP Shown Here are reflective of the condensing unit ONLY. Single point connections WILL show different on dataplate.

APPROVALS

APPROVED BY : **DATE :**

Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 1

BQZA020H8-HT3A

QUIET LINE - SCROLL CONDENSING UNIT

NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

DATE : **06 Feb 2013**
PURCHASER :
PROJECT : **Kirk MS**
SUBMITTED BY : **Joan M. Hoch**

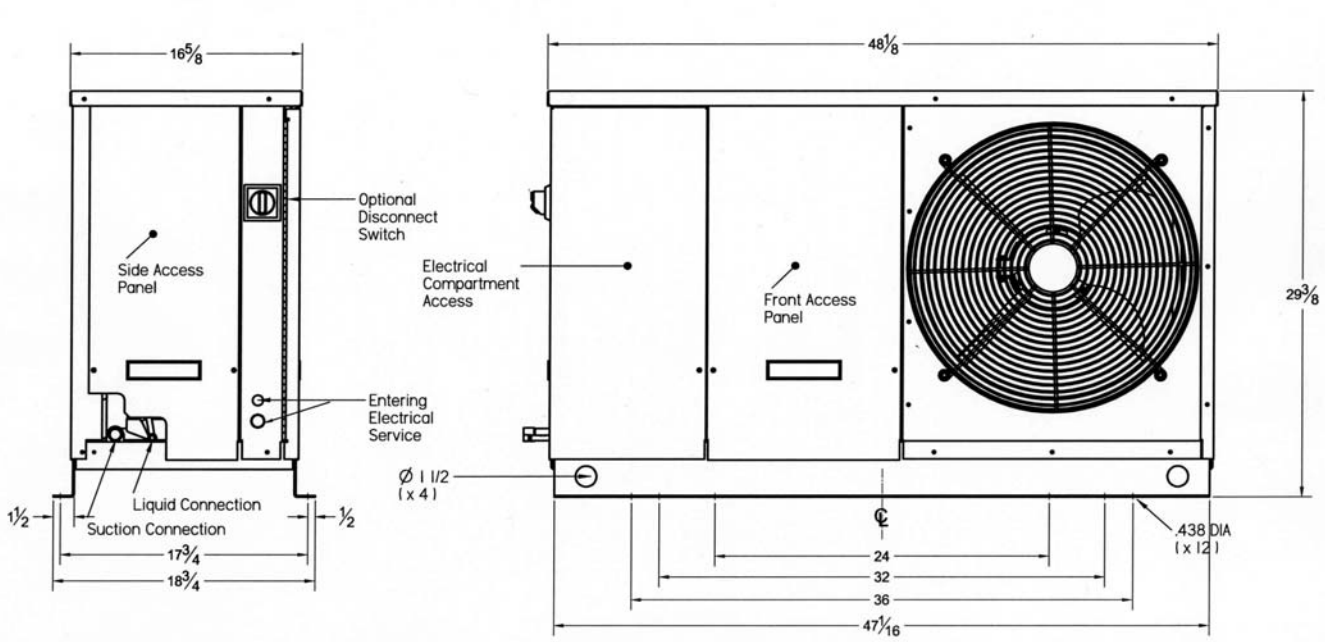
Dimensions shown are for standard unit less options.

DIMENSIONS	
DIMENSION A	
DIMENSION B	
DIMENSION C	
DIMENSION D	
DIMENSION E	
DIMENSION F	
DIMENSION G	
DIMENSION H	

CONNECTIONS	
LIQUID	3/8 in
SUCTION	7/8 in
DRAIN	
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	

OTHER	
SHIPPING WEIGHT	325 lb
CAPACITY	14 lb

APPROVALS			
		c UL us	



NOTES:

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BLP320MA-S1B_ECM

LOW PROFILE EVAPORATOR

PURCHASER :		SUBMITTED BY :	**Joan M. Hoch**
PROJECT :	**Kirk MS**	DATE :	**06 Feb 2013**
ORDER # :	**02860.39238.00136P-A00**	ITEM # :	**2**
QUOTE # :	**Q31JKJMHE-A**	ID # :	
PURCHASER'S PO # :		TAGGING :	**Cooler**

MODEL FEATURES

- 3/8" Tubing coil construction (reduces refrigerant operating charge)
- Factory installed solenoid valve wire harness
- Heavy gauge textured aluminum cabinet construction resists scratches/corrosion
- Spacious piping end compartment allows for easy assembly
- Hinged drain pan with central universal drain connection (3/4" drain)
- Front access to spacious electrical and header compartments
- Schrader connection on suction header
- Attractive and durable high density polyethylene fan guards
- Ultra efficient Electronically Commutated Motor (ECM)
- ECM with SmartSpeed Technology
- High efficiency enhanced copper tube and aluminium fin coil design

MODEL OPTIONS (* = Shipped Loose)

PRE-ASSEMBLED EVAP
- [ ] Sporlan TXV, LLSV,T-stat
- [ ] SmartVapII with Sporlan TXV & Solvlv
- [ ] KE2 Demand Defrost w/Sporlan TXV
- [ ] KE2 Demand Defrost w/Sporlan EEV
- [ ] *KE2 Demand Defrost w/Sporlan TXV
- [ ] *KE2 Demand Defrost w/Sporlan EEV
- [1] Danfoss TXV, LLSV, T-stat
- [ ] SmartVapII with Danfoss TXV & Solvlv
- [ ] Alco TXV, LLSV,T-stat
- [ ] KE2 Demand Defrost w/KE2 EEV
- [ ] *KE2 Demand Defrost w/KE2 EEV

ADJUSTABLE T-STATS
- [ ] *Johnson A19ABC-24
- [ ] *Johnson A419ABC-1
- [ ] *Saginomiya
- [ ] *Danfoss
- [ ] **Aux Sideport Connector**

CABINET FINISH
- [ ] Painted White
- [ ] Painted Black
- [ ] Stainless Steel

CPC SENSORS
- [ ] Coil Temp Sensor
- [ ] Return Air Temp Sensor
- [ ] Suction Pressure Transducer

DEMAND DEFROST ELECTRONIC CONTROLLER
- [ ] KE2 Therm - Demand Defrost
- [ ] *KE2 Therm - Demand Defrost
- [ ] **Dual Circuit**

EEV SENSOR/TRANSDUCER BRAND
- [ ] CPC/Emerson
- [ ] Other - Specify in Notes

ELECTRONIC CONTROLLER
- [ ] SmartVapII
- [ ] *Other EEV Controller- Specify MFR Model in Notes
- [ ] **Evaporator Disconnect Switch**

EVAPORATOR PRISON PACKAGE
- [ ] Tamper Proof Screws

EXPANSION VALVE
- [ ] Sporlan TXV
- [1] Danfoss TXV
- [ ] Sporlan EEV (less sens+trans)
- [ ] Alco TXV

FIN AND COIL MATERIAL
- [ ] Electro Fin Coating
- [ ] Copper Fins
- [ ] Heresite Coating
- [ ] **Insulated Drain Pan**

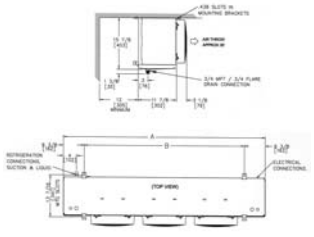
KE2 THERM
- [ ] *KE2 Router #20184
- [ ] *KE2 8 Port Switch #20166
- [ ] *CAT5e Shielded Cable - 50ft w/connectors
- [ ] *Contactor Kit - 50A #20217
- [ ] ***Liquid / Suction Heat Exchanger**

LIQUID LINE SOLENOID VALVE
- [1] Danfoss
- [ ] Sporlan
- [ ] Alco
- [1] **Room Thermostat**
- [ ] ***Room Thermostat**
- [ ] **Wire Fan Guards**

VOLTAGE	SYSTEM REFRIGERANT	AIR FLOW	EVAP. TEMP	BOX TEMP	CAPACITY
115/1/60	**R404A**	**2700 CFM**	**25.7 °F**	**35.0 °F**	**18,617 BTUH**

FANS			HEATERS				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	AMPS		AMPS	WATTS	MCA†	MOP‡
3	**0.07HP**	**1**					**3**	**180**	**3.3**	**15**
							3	**180**	**3.3**	**15**

Dim A	**62 1/4 in**
Dim B	**49 1/4 in**
Dim C	
Dim D	
DISTRIBUTOR	**1/2 in**
SUCTION	**7/8 in**
SOUND	**-**
WEIGHT	**107 lb**
CHARGE	**4 lb**



Dimensions shown are for standard unit less options. See certified drawing for more details.
* Indicates Option Is Shipped Loose
† MCA.. Minimum Circuit Ampacity
‡ MOP.. Maximum Overcurrent Protection

APPROVALS

APPROVED BY : **DATE :**

Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 2

BLP320MA-S1B_ECM

LOW PROFILE EVAPORATOR

NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

DATE : **06 Feb 2013**
PURCHASER :
PROJECT : **Kirk MS**
SUBMITTED BY : **Joan M. Hoch**

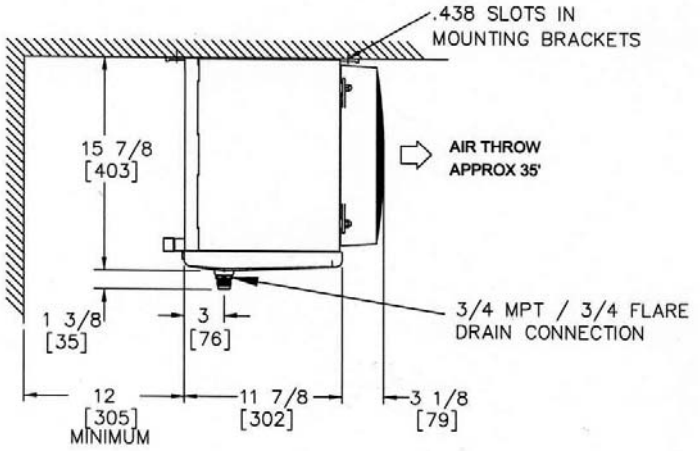
Dimensions shown are for standard unit less options.

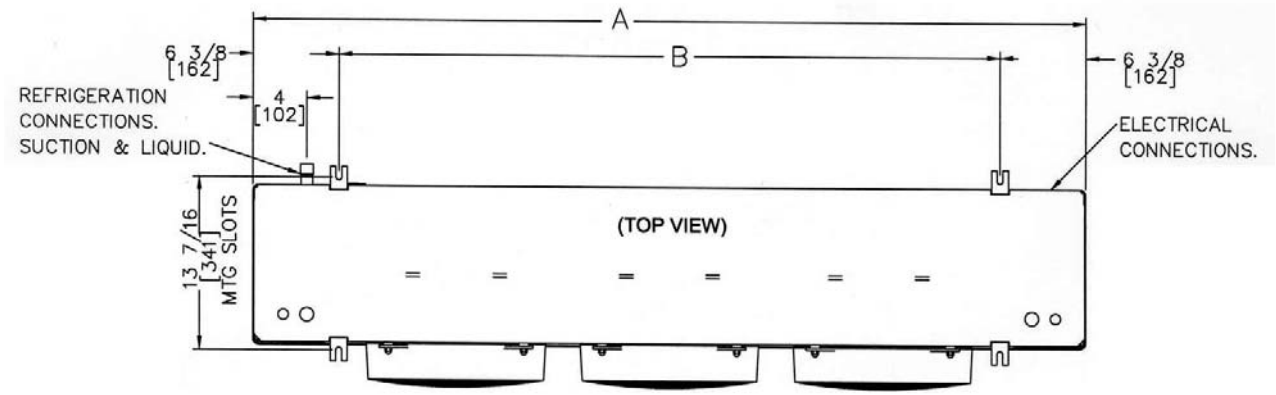
DIMENSIONS	
DIMENSION A	62 1/4 in
DIMENSION B	49 1/4 in
DIMENSION C	
DIMENSION D	
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS	
DISTRIBUTOR	1/2 in
SUCTION	7/8 in
DRAIN	3/4 in
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	

OTHER	
SHIPPING WEIGHT	107 lb
CHARGE	4 lb

APPROVALS			
	CE	cULus	
	NSF		





NOTES:

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BQZA055L6-HT3A

QUIET LINE - SCROLL CONDENSING UNIT

PURCHASER :		SUBMITTED BY :	**Joan M. Hoch**
PROJECT :	**Kirk MS**	DATE :	**06 Feb 2013**
ORDER # :	**02860.39238.00136P-A00**	ITEM # :	**3**
QUOTE # :	**Q31JKJMHE-A**	ID # :	
PURCHASER'S PO # :		TAGGING :	**Freezer**

MODEL FEATURES

- Copper tubing secured with cushion clamps
- Discharge line thermostat
- Pre-formed piping
- Receiver with fusible plug and liquid shut off valve
- Space saving, compact design
- Sturdy electrical control box with compressor contactor and fused control circuit
- Suction and discharge service valves
- Weatherproof electrical control box with compressor contactor and fused control circuit
- Welded hermetic Scroll compressor
- Heavy guage galvanized steel cabinet construction
- Ultra efficient Electronically Commutated Motor (ECM)
- Unit shipped with Nitrogen Holding Charge
- Powder Coat Painted Cabinet
- Gold Coat Fins
- Liquid injection (low temp models)
- High efficiency enhanced copper tube and aluminium fin coil design
- EC Motor Speed Controller

MODEL OPTIONS (* = Shipped Loose)

PRE-ENGINEERED OPTION PACKAGE
- [ ] A - STD
- [ ] B
- [ ] C
- [ ] D
- [ ] E
- [ ] F
- [1] G
- [ ] H
- [ ] J
- [ ] K

- [ ] **115V Control Circuit**
- [1] **Compressor Sound Insulation**
- [ ] **Discharge Line Check Valve**

DISCONNECT SWITCH
- [ ] Non-Fused

- [1] **Extended 4-Year Compressor Warranty**

FIN AND COIL MATERIAL
- [ ] Electro Fin Coating
- [ ] Copper Fins
- [ ] Heresite Coating

- [1] **Heated and Insulated Receiver**

LIQUID LINE FILTER + SIGHT GLASS
- [1] Sealed

- [ ] **Pump Down Toggle Switch**

SUCTION ACCUMULATOR
- [ ] Without Heat Exchanger

SUCTION FILTER
- [ ] Sealed Type

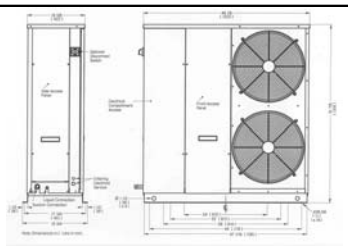
TIME CLOCK
- [1] Paragon 8145 Style
- [ ] *230V Paragon 8145 Style
- [ ] *115V Paragon 8145 Style

- [ ] **Wall Mount Kit**
- [ ] **Wind Guard**

VOLTAGE	SYSTEM REFRIGERANT	RATING	SUCTION TEMP	AMBIENT TEMP	CAPACITY
208-230/3/60	**R404A**	**5.5Hp**	**-20.0 °F**	**95.0 °F**	**19,066 BTUH**

FANS			COMPRESSOR				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	RLA	LRA	AMPS	WATTS	MCA†	MOP‡
2	**330W**	**1.7**	**ZF15K4ETF5**		**21.4**	**123**	**24.8**		**30.2**	**50**

Dim A	
Dim B	
Dim C	
Dim D	
LIQUID	**1/2 in**
SUCTION	**1 1/8 in**
SOUND	**-**
WEIGHT	**500 lb**
CAPACITY	**22 lb**



Dimensions shown are for standard unit less options. See certified drawing for more details.
* Indicates Option Is Shipped Loose
† MCA.. Minimum Circuit Ampacity
‡ MOP.. Maximum Overcurrent Protection
MCA & MOP Shown Here are reflective of the condensing unit ONLY. Single point connections WILL show different on dataplate.

APPROVALS

APPROVED BY : **DATE :**

Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 3

BQZA055L6-HT3A

QUIET LINE - SCROLL CONDENSING UNIT

NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

DATE : **06 Feb 2013**
PURCHASER :
PROJECT : **Kirk MS**
SUBMITTED BY : **Joan M. Hoch**

Dimensions shown are for standard unit less options.

DIMENSIONS	
DIMENSION A	
DIMENSION B	
DIMENSION C	
DIMENSION D	
DIMENSION E	
DIMENSION F	
DIMENSION G	
DIMENSION H	

CONNECTIONS	
LIQUID	1/2 in
SUCTION	1 1/8 in
DRAIN	
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	

OTHER	
SHIPPING WEIGHT	500 lb
CAPACITY	22 lb

APPROVALS			
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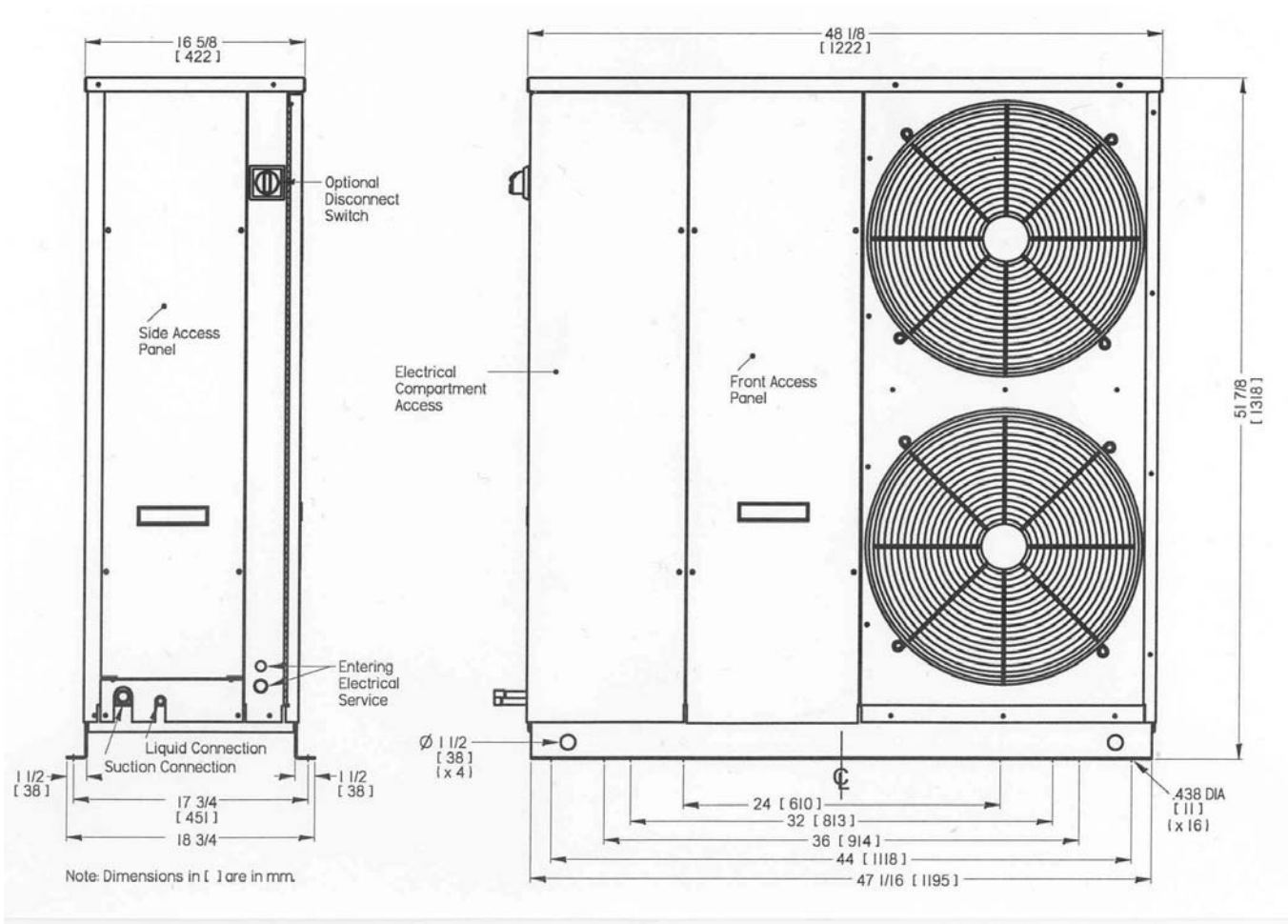


NOTES:

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BLP419LE-S2B_ECM

LOW PROFILE EVAPORATOR

PURCHASER :		SUBMITTED BY :	**Joan M. Hoch**
PROJECT :	**Kirk MS**	DATE :	**06 Feb 2013**
ORDER # :	**02860.39238.00136P-A00**	ITEM # :	**5**
QUOTE # :	**Q31JKJMHE-A**	ID # :	
PURCHASER'S PO # :		TAGGING :	**Freezer**

MODEL FEATURES

- 3/8" Tubing coil construction (reduces refrigerant operating charge)
- Factory installed solenoid valve wire harness
- Heavy gauge textured aluminum cabinet construction resists scratches/corrosion
- Spacious piping end compartment allows for easy assembly
- Hinged drain pan with central universal drain connection (3/4" drain)
- Front access to spacious electrical and header compartments
- Schrader connection on suction header
- Attractive and durable high density polyethylene fan guards
- Ultra efficient Electronically Commutated Motor (ECM)
- ECM with SmartSpeed Technology
- High efficiency enhanced copper tube and aluminium fin coil design

MODEL OPTIONS (* = Shipped Loose)

PRE-ASSEMBLED EVAP
- [ ] Sporlan TXV, LLSV,T-stat
- [ ] SmartVapII with Sporlan TXV & Solvlv
- [ ] KE2 Demand Defrost w/Sporlan TXV
- [ ] KE2 Demand Defrost w/Sporlan EEV
- [ ] *KE2 Demand Defrost w/Sporlan TXV
- [ ] *KE2 Demand Defrost w/Sporlan EEV
- [1] Danfoss TXV, LLSV, T-stat
- [ ] SmartVapII with Danfoss TXV & Solvlv
- [ ] Alco TXV, LLSV,T-stat
- [ ] KE2 Demand Defrost w/KE2 EEV
- [ ] *KE2 Demand Defrost w/KE2 EEV

ADJUSTABLE T-STATS
- [ ] *Johnson A19ABC-24
- [ ] *Johnson A419ABC-1
- [ ] *Saginomiya
- [ ] *Danfoss
- [ ] Ranco F25 - Adjustable DT, Fixed FD

- [ ] **Aux Sideport Connector**

CABINET FINISH
- [ ] Painted White
- [ ] Painted Black
- [ ] Stainless Steel

CPC SENSORS
- [ ] Coil Temp Sensor
- [ ] Return Air Temp Sensor
- [ ] Suction Pressure Transducer

DEMAND DEFROST ELECTRONIC CONTROLLER
- [ ] KE2 Therm - Demand Defrost
- [ ] *KE2 Therm - Demand Defrost

- [ ] **Dual Circuit**

EEV SENSOR/TRANSDUCER BRAND
- [ ] CPC/Emerson
- [ ] Other - Specify in Notes

ELECTRONIC CONTROLLER
- [ ] LINC
- [ ] SmartVapII
- [ ] *Other EEV Controller- Specify MFR Model in Notes

EVAPORATOR PRISON PACKAGE
- [ ] Tamper Proof Screws

EXPANSION VALVE
- [ ] Sporlan TXV
- [1] Danfoss TXV
- [ ] Sporlan EEV (less sens+trans)
- [ ] Alco TXV

FIN AND COIL MATERIAL
- [ ] Electro Fin Coating
- [ ] Copper Fins
- [ ] Heresite Coating

- [ ] **Insulated Drain Pan**

KE2 THERM
- [ ] *KE2 Router #20184
- [ ] *KE2 8 Port Switch #20166
- [ ] *CAT5e Shielded Cable - 50ft w/connectors
- [ ] *Contactor Kit - 50A #20217

- [ ] ***Liquid / Suction Heat Exchanger**

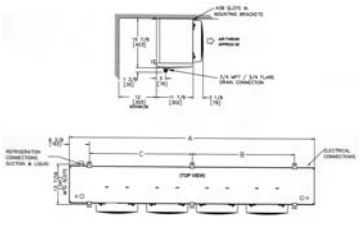
LIQUID LINE SOLENOID VALVE
- [1] Danfoss
- [ ] Sporlan
- [ ] Alco

- [1] **Room Thermostat**
- [ ] ***Room Thermostat**
- [ ] **Wire Fan Guards**

VOLTAGE	SYSTEM REFRIGERANT	AIR FLOW	EVAP. TEMP	BOX TEMP	CAPACITY
208-230/1/60	**R404A**	**3810 CFM**	**-20.0 °F**	**-10.0 °F**	**19,062 BTUH**

FANS			HEATERS				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	AMPS		AMPS	WATTS	MCA†	MOP‡
4	**0.07HP**	**0.6**					**2.4**	**240**	**2.6**	**15**
			DEFROST HTRS		**15.5**			**3560**	**19.3**	**20**

Dim A	**78 1/4 in**
Dim B	**32 5/8 in**
Dim C	**32 5/8 in**
Dim D	
DISTRIBUTOR	**1/2 in**
SUCTION	**1 1/8 in**
SOUND	**-**
WEIGHT	**127 lb**
CHARGE	**4 lb**



Dimensions shown are for standard unit less options. See certified drawing for more details.
* Indicates Option Is Shipped Loose
† MCA.. Minimum Circuit Ampacity
‡ MOP.. Maximum Overcurrent Protection

APPROVALS

APPROVED BY : **DATE :**

Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 5

BLP419LE-S2B_ECM

LOW PROFILE EVAPORATOR

NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

DATE : **06 Feb 2013**
PURCHASER :
PROJECT : **Kirk MS**
SUBMITTED BY : **Joan M. Hoch**

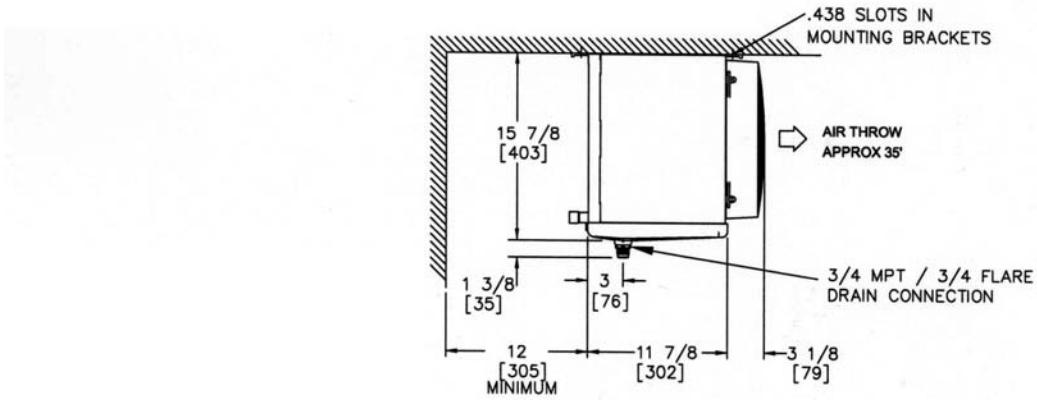
Dimensions shown are for standard unit less options.

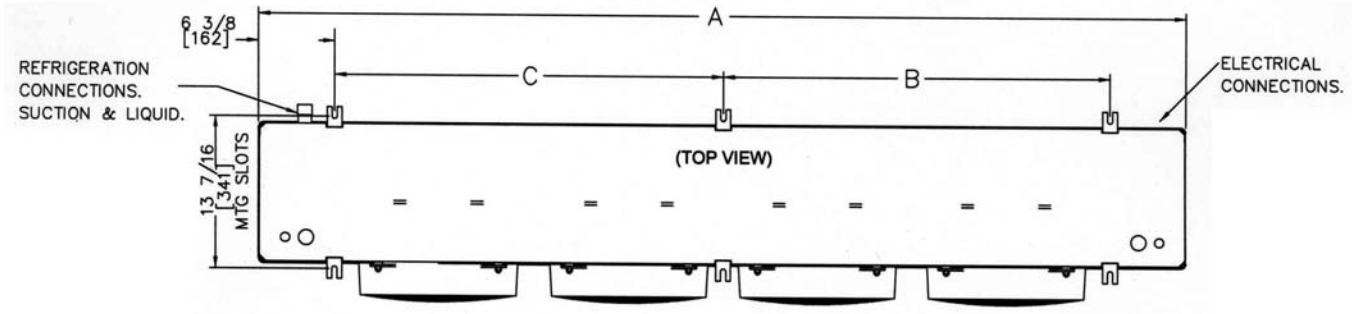
DIMENSIONS	
DIMENSION A	78 1/4 in
DIMENSION B	32 5/8 in
DIMENSION C	32 5/8 in
DIMENSION D	
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS	
DISTRIBUTOR	1/2 in
SUCTION	1 1/8 in
DRAIN	3/4 in
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	

OTHER	
SHIPPING WEIGHT	127 lb
CHARGE	4 lb

APPROVALS			
	CE	c UL us	
	NSF		





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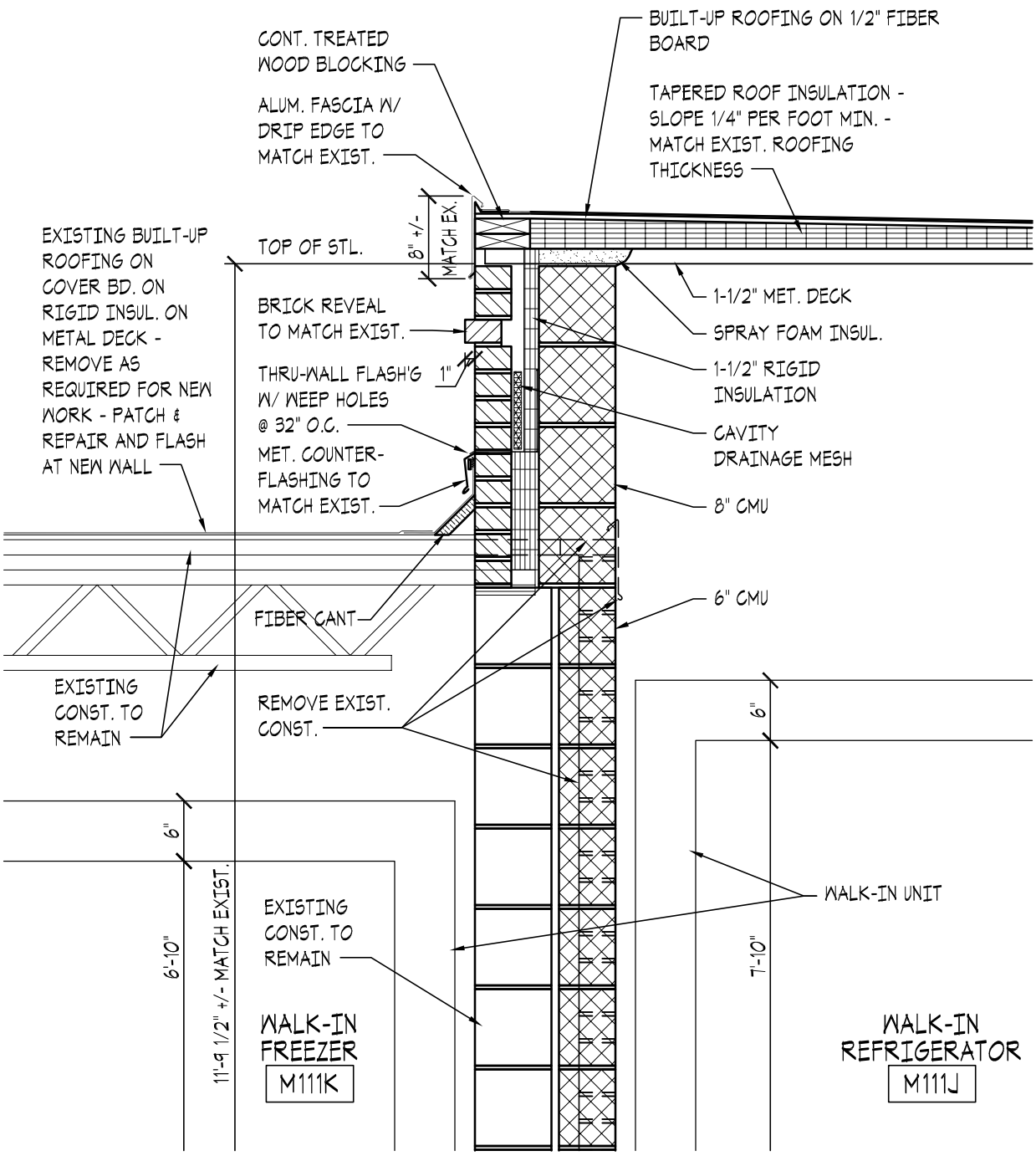


DETAIL

B
A1

SCALE: 3/4" = 1'-0"

REF. DWG. A1.1

TITLE: DETAIL B/A1		ISSUE DATE 20 FEB 2013
PROJECT: KIRK MIDDLE SCHOOL 140 BRENNEN DRIVE NEWARK, DE 19713 CHRISTINA SCHOOL DISTRICT		EIA PROJECT NO. PP7279 PDE PROJECT NO.
EI ASSOCIATES		EIA DRAWING NO. ASK1

UTILITY SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	ELECTRICAL REMARKS / MECHANICAL REMARKS	ELECTRICAL CONNECTION (SR DR SW)	VOLT/ PHASE	AFF	AMPS	KW	HP	COLD WA AFF
3.001	1	WALK-IN COOLER(+35F)	LIGHTS-DOOR HEATER	EC	120/1	104"	15.0			
3.002	1	EVAPORATOR COIL COOLER(+35F)		EC	120/1	94"	3.0			
3.003	1	REMOTE REFRIG. COMPRESSOR/ CONDENSER(+35F)		EC	208-230/3	12"	10.6			
3.004	1	WALK-IN FREEZER(-10F)	LIGHTS-DOOR HEATER	EC	120/1	104"	15.0			
3.005	1	EVAPORATOR COIL FREEZER(-10F)		(L1)-EC (L2)-EC	208-230/1 208-230/1	94" 94"	2.4 15.5			
3.006	1	REMOTE REFRIG. COMPRESSOR/ CONDENSER(-10F)		EC	208-230/3	12"	24.8			
3.007		OPEN NUMBER								
3.008		OPEN NUMBER								
3.009		OPEN NUMBER								
3.010	10	STORAGE SHELVING UNIT(S)								
3.011	7	STORAGE SHELVING UNIT(S)								
3.012	2	STORAGE SHELVING UNIT(S)								
3.013	1	BLAST CHILLER		EC	208/3	72"	19.5			

REF. DWG. FS-1.8

TITLE: FOODSERVICE EQUIPMENT UTILITY SCHEDULE

PROJECT: KIRK MIDDLE SCHOOL
140 BRENNEN DRIVE NEWARK, DE 19713
CHRISTINA SCHOOL DISTRICT

EI ASSOCIATES

ISSUE DATE 02.20.2013

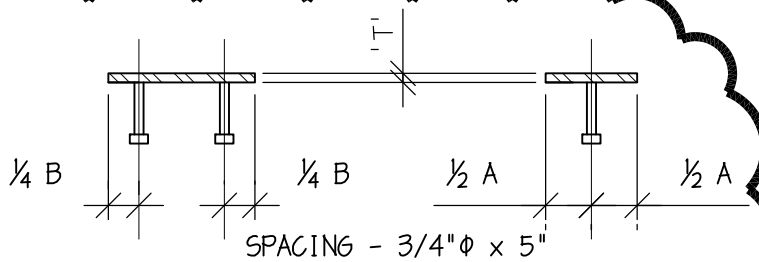
EIA PROJECT NO. PP7279

PDE PROJECT NO.

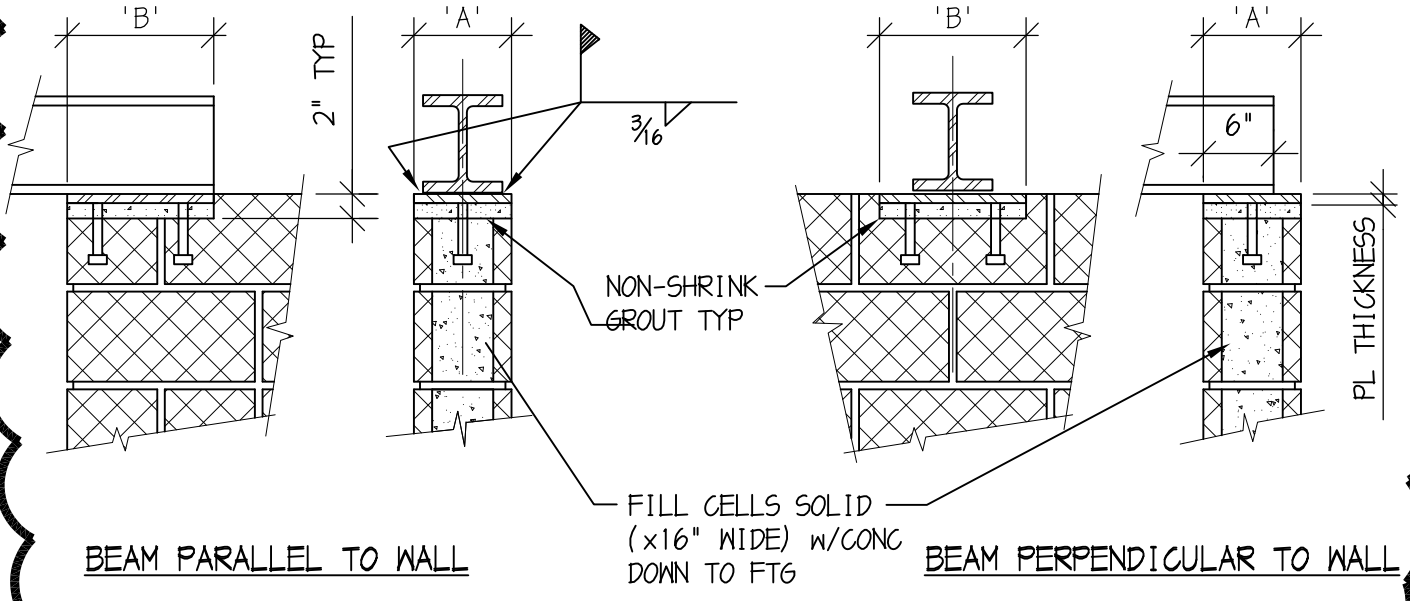
EIA DRAWING NO. SKFS-3

BEARING PL SCHEDULE			
MARK	'A'	'B'	'T'
PL1	7½"	8"	¾"
PL2	7½"	10"	¾"

NOTE: PROVIDE PL1 AT ALL W12 BEAMS AND PL2 AT ALL W16 BEAMS



STUD ANCHORS



BEAM PARALLEL TO WALL

BEAM PERPENDICULAR TO WALL

14 / S2.1

STEEL BM CMU WALL BEARING DETAILS

3/4" = 1'-0

REF. DWG. S2.1

TITLE: TYPICAL DETAIL		ISSUE DATE 20 FEB 2013
PROJECT: KIRK MIDDLE SCHOOL 140 BRENNEN DRIVE NEWARK, DE 19713 CHRISTINA SCHOOL DISTRICT		EIA PROJECT NO. PP7279 PDE PROJECT NO.
EI ASSOCIATES		EIA DRAWING NO. SSK1

PANEL NO. A TYPE 208/120V–3ø–4W

AREA STORAGE AREA MAIN BKR 100A

	DESCRIPTION	BRKR SIZE	CIR NO		CIR NO	BRKR SIZE	DESCRIPTION	
	·	·	1		2	·	·	
	·	·	3		4	·	·	
	·	·	5		6	·	·	
	·	·	7		8	·	·	
	·	·	9		10	·	·	
	·	·	11		12	·	·	
	·	·	13		14	·	·	
	·	·	15		16	·	·	
	·	·	17		18	·	·	
	·	·	19		20	·	·	
	·	·	21		22	·	·	
	·	·	23		24	·	·	
*	FREEZER CONDENSER	50A	25		26	·	·	
			27		28	·	·	
			29		30	20A	FREEZER POWER AND LIGHTS	*
	·	·	31		32	15A	FREEZER EVAP COIL	*
	·	·	33		34	20A	FREEZER EVAP COIL	*
	·	·	35		36	·	·	
			37		38	·	·	
*	BLAST CHILLER	30A	39		40	·	·	
			41		42	·	·	

SQUARE D TYPE NQOD

EXISTING POWER PANEL

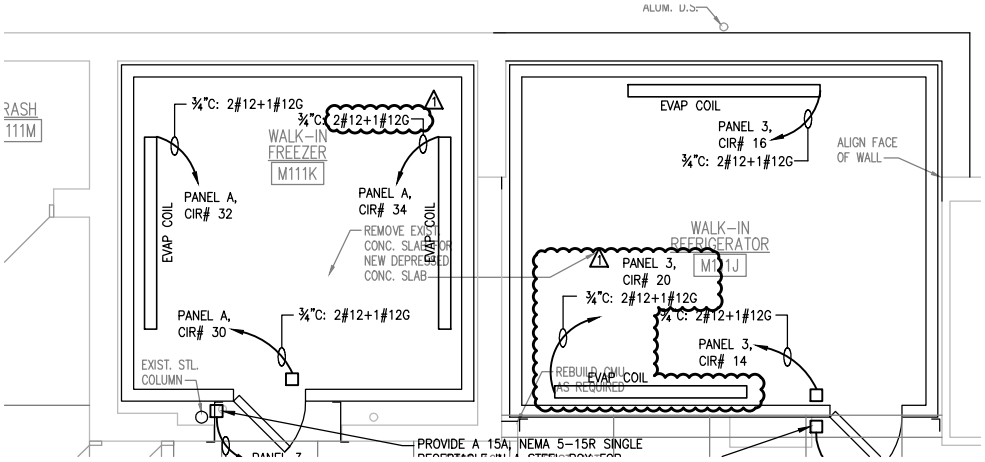
PANEL NO. 3 TYPE 208/120V–3ø–4W

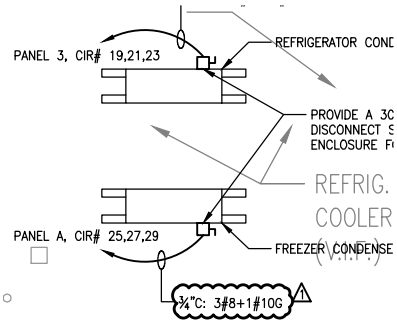
AREA STORAGE AREA MAIN BKR 100A

	DESCRIPTION	BRKR SIZE	CIR NO		CIR NO	BRKR SIZE	DESCRIPTION	
	·	·	1		2	·	·	
	·	·	3		4	·	·	
	·	·	5		6	·	·	
	·	·	7		8	·	·	
	·	·	9		10	·	·	
	·	·	11		12	·	·	
	·	·	13		14	20A	REFRIG. POWER AND LIGHTS	*
	·	·	15		16	15A	REFRIG. EVAP COIL	*
	·	·	17		18	20A	CONDENSATE PUMPS	*
*	REFRIG. CONDENSER	20A	19		20	15A	REFRIGERATOR EVAP. COIL	*
			21		22	·	·	
			23		24	·	·	
	·	·	25		26	·	·	
	·	·	27		28	·	·	
	·	·	29		30	·	·	
	·	·	31		32	·	·	
	·	·	33		34	·	·	
	·	·	35		36	·	·	
	·	·	37		38	·	·	
	·	·	39		40	·	·	
	·	·	41		42	·	·	

GENERAL ELECTRIC A–SERIES

EXISTING POWER PANEL





REF. DWG. E1

TITLE: PARTIAL FIRST FLOOR PLAN		ISSUE DATE 02/22/2013
PROJECT: KIRK MIDDLE SCHOOL 140 BRENNEN DRIVE NEWARK, DE 19713 CHRISTINA SCHOOL DISTRICT		EIA PROJECT NO. PP7279
		PDE PROJECT NO.
EI ASSOCIATES		EIA DRAWING NO. ESK-1

GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS OR THE DNREC SEDIMENT AND EROSION CONTROL STANDARDS.

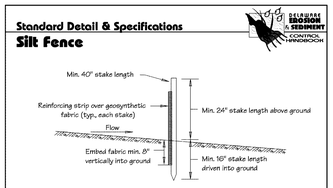
2. LANDMARK ENGINEERING, INC. MAKES NO GUARANTEE AS TO THE EXISTENCE OR NON-EXISTENCE, LOCATION, DEPTH, SIZE OR CONDITION OF ANY UNDERGROUND UTILITIES SHOWN ON THIS PLAN NOT ACCESSIBLE FROM THE SURFACE OF THE GROUND. EXISTING UTILITIES ARE SHOWN IN ACCORDANCE WITH INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES AT THE TIME THE PLAN WAS PREPARED. THE CONTRACTOR IS TO COORDINATE ALL WORK WITH UTILITY COMPANIES INVOLVED.

   IT IS THE RESPONSIBILITY OF THE OWNER, OR HIS CONTRACTOR, TO VERIFY AND ALLOW FOR THE LOCATION AND DEPTH OF THE UNDERGROUND UTILITIES WITHIN THE WORK AREA SHOWN ON THIS PLAN. THE CONTRACTOR SHALL NOT BEGIN ANY EXCAVATION OR OTHER CONSTRUCTION AROUND OR IMMEDIATELY ADJACENT TO EXISTING UTILITIES WITHOUT NOTIFYING THE UTILITY OWNER(S) AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF THE START OF EXCAVATION OR CONSTRUCTION. TEST PITS FOR UTILITY LOCATIONS MAY OR MAY NOT BE REQUIRED.

   PRIOR TO ANY CONSTRUCTION, IT IS RECOMMENDED THE CONTRACTOR EXCAVATE IN THE AREA OF ANY POTENTIAL UTILITY CROSSING TO VERIFY THAT THE UTILITY WILL NOT INTERFERE WITH CONSTRUCTION. IF, AFTER UNCOVERING THE UTILITY, THERE IS ANY QUESTION CONCERNING A POSSIBLE CONFLICT, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE DONE TO THEM DUE TO HIS NEGLIGENCE SHALL BE IMMEDIATELY AND COMPETENTLY REPAIRED AT HIS EXPENSE.

Standard Detail & Specifications
Silt Fence

DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK

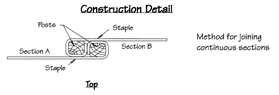


Source:	Symbol:	Detail No.
Adopted form MD Stds. & Specs. for ESC	SF	DE-ESC-3.1.2.1 Sheet 1 of 2
		Date: 6/05

Standard Detail & Specifications
Silt Fence

DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK

Construction Detail



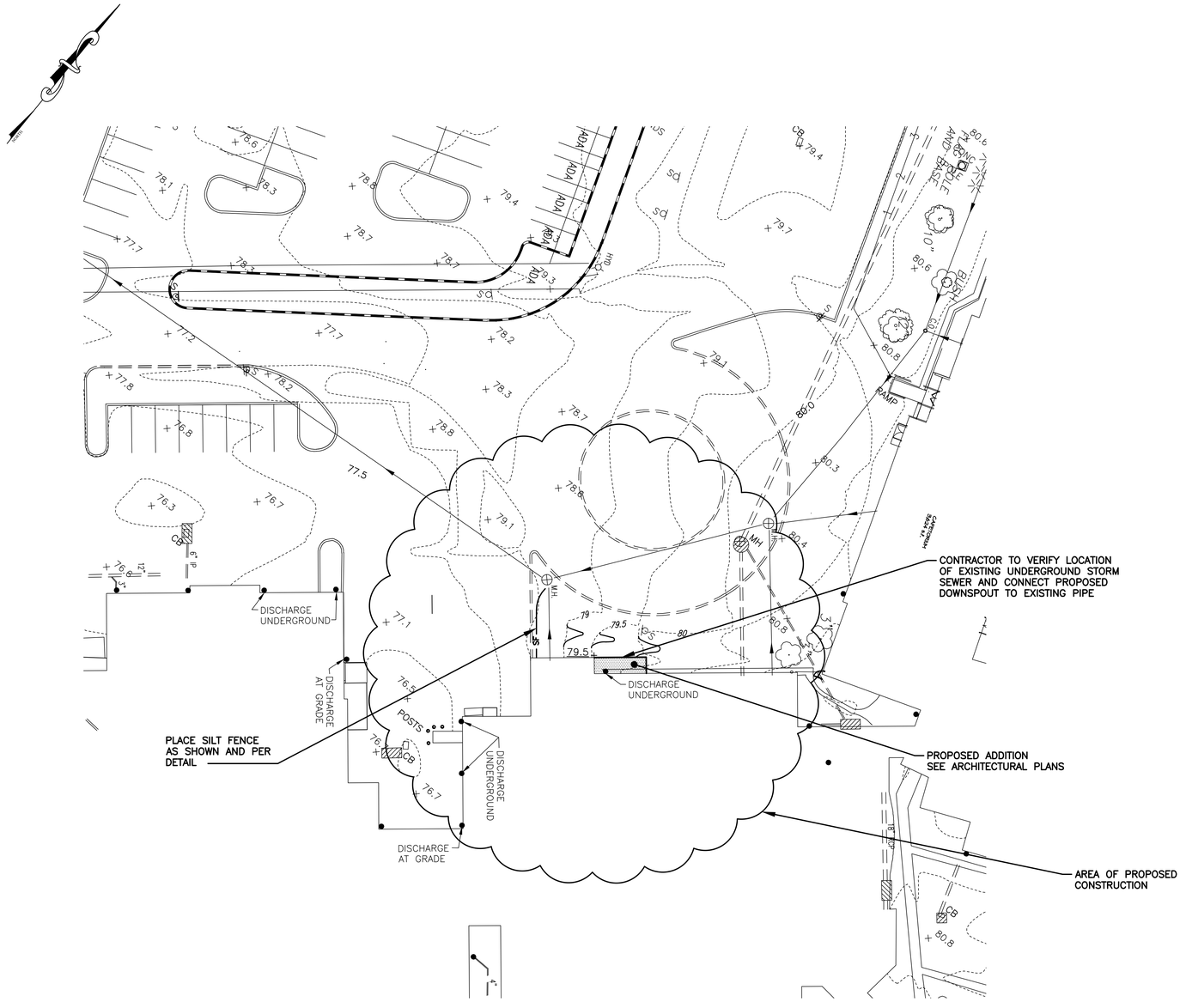
Construction Notes:

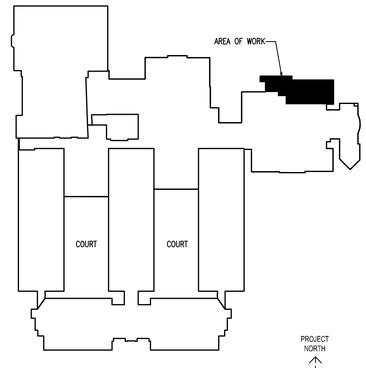
1. Geosynthetic fabric to be fastened securely to fence posts with wire ties or staples.
2. When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.
3. Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.

Materials:

1. Stakes: Steel (either T or U) or 2" x 2" hardwood
2. Geosynthetic Fabric: Type GD-1
3. Reinforcing strip: Wooden lath, plastic strip or other approved equivalent
4. Prefabricated Unit: Geofab, Envirofence, or approved equivalent

Source:	Symbol:	Detail No.
Adapted from MD Stds. & Specs. for ESC	SF	DE-ESC-3.1.2.1 Sheet 2 of 2
		Date: 6/05





KEY PLAN
NO SCALE

811 Know what's below. Call before you dig.
MISS UTILITY PHONE 1-800-257-7777
PROTECT YOURSELF, GIVE THREE WORKING DAYS NOTICE

CERTIFICATION OF OWNER

I, _____, HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY WHICH IS SUBJECT OF THIS PLAN AND THAT THE LAND USE ACTION PROPOSED BY THIS PLAN IS MADE AT MY DIRECTION.

_____ _____
SIGNATURE DATE

CERTIFICATION OF PLAN ACCURACY

I, TED C. WILLIAMS, HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER WITH A BACKGROUND IN CIVIL ENGINEERING IN THE STATE OF DELAWARE. TO THE BEST OF MY KNOWLEDGE AND BELIEF, I CERTIFY THAT THE INFORMATION ON THIS PLAN IS TRUE AND CORRECT TO THE ACCURACY REQUIRED BY ACCEPTED SURVEYING STANDARDS AND PRACTICES, THE PROPOSED CONSTRUCTION AS SHOWN ON THIS PLAN COMPLIES WITH APPLICABLE LAWS AND REGULATIONS, AND THIS PLAN INCLUDES ALL INFORMATION REQUIRED BY THE LATEST REVISION OF THE RESIDENTIAL LINES AND GRADES CHECKLIST.

_____ _____
SIGNATURE DATE

REV.	REVISION DESCRIPTION	BY	DATE

EI ASSOCIATES
ARCHITECTURE · ENGINEERING
366 E. Main St., Suite 200 - Newark, DE 19711 - (302) 733-7555

SCALE	1"=20'
DRAWN BY	ARP
DESIGNED BY	TCW
CHECKED BY	TCW
APPROVED BY	
PROJECT MANAGER	

PROJECT
KITCHEN IMPROVEMENTS TO THE
KIRK MIDDLE SCHOOL
140 BRENNEN DRIVE NEWARK, DE 19713
FOR THE
CHRISTINA SCHOOL DISTRICT
600 N. LOMBARD STREET WILMINGTON, DE 19801

TITLE
LINES AND GRADES PLAN

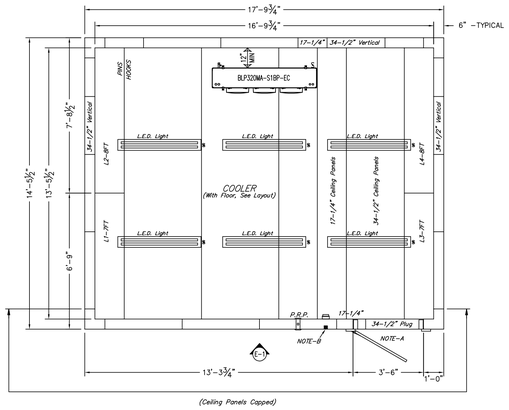
CLIENT DWG. NO.

EIA PROJECT NO.
PP7279

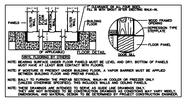
EIA DRAWING NO.
CC01

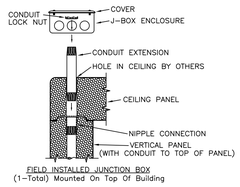
ISSUE DATE 31, JAN 2013

REVISION



Ceiling & Vertical Layout





FIELD INSTALLED JUNCTION BOX
(1-Total) Mounted On Top Of Building

SPECIFICATIONS

17'-9 3/4" X 14'-5 1/2" X 8'-10" W/ 6" PANELS

INSTALLATION

- INDOOR
- LOADING HEIGHT – AT LEAST 24" OF OPEN SPACE MUST BE MAINTAINED BETWEEN TOP OF PRODUCT AND CEILING PANELS
- INTERIOR ACCESS SPEED-LOK HOLES ARE FURNISHED STANDARD ON ALL MULTI-SPAN CEILING PANELS. IF EXTERIOR ACCESS IS REQUIRED, PLEASE CHECK BOX. ☐

INSULATION

- FOAMED IN-PLACE POURED URETHANE

EXTERIOR FINISH

- EMBOSSED STAINLESS STEEL AS SHOWN
- EMBOSSED GALVALUME REMAINDER

INTERIOR FINISH

- SMOOTH STAINLESS STEEL

FLOOR FINISH

- (INTERIOR) GALVANIZED STEEL (EPOXY OVERLAY B.O.)
- (EXTERIOR) EMBOSSED GALVALUME

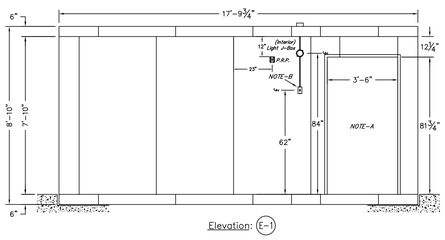
REFRIGERATION – BY BALLY (See Certified Prints On Sheet 3 Of 3)

QTY	H/P	REF. TYPE	MODEL NUMBER	POWER SUPPLY	COMPRESSOR RLA	LRA	FAN MTRS QTY	HP	FLA	TOTAL WATTS DEFROST	AMPS	MCA	MAX FUSE	CMPT
1	2.0	R404A	BQZA2DH6-H1340	208-230/3/60	8.9	55.0	1		1.7			12.8	20	C
1			BLP320MA-518P-ES	115/1/60			1	1/20	1.0			3.1	15	C

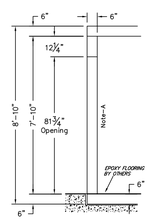
- (1) Heated & Insulated Receivers
- (1) Sound Insulated Compressor

GENERAL NOTES

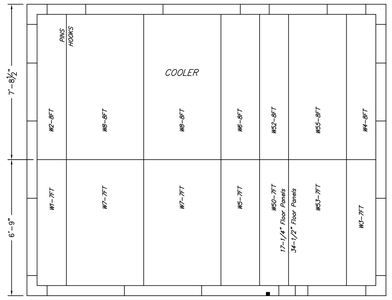
- NOTE-A: BALLY TO FURNISH (1) WOOD FRAMED OPENING (C-CAPPED): 3'-6" WIDE X 81-1/4" HIGH. OPENING STARTS AT BOTTOM OF VERTICAL PANELS. ☐ C-CAPPING SHIPPED LOOSE FOR FIELD INSTALLATION. BALLY TO FURNISH (1) 36" X 78" LEFT HINGED SWINGING JAMOCLEAR JAMISON DOOR. DOOR INSTALLATION BY OTHERS.
- NOTE-B: BALLY TO FURNISH (1) FLUSH MOUNTED LIGHT SWITCH ON EXTERIOR WITH CONDUIT WITHIN THE VERTICAL PANEL EXTENDEING FROM LIGHT SWITCH BOX TO THE LIGHT BASE J-BOX & TO TOP EDGE OF PANEL. BALLY WILL ALSO FURNISH A CONDUIT EXTENSION WITH NIPPLE AND J-BOX LOOSE. ALL ADDITIONAL HOLES, SLEEVES, J-BOXES AND WIRES MUST BE FURNISHED BY OTHERS. ALL INSTALLATION BY OTHERS. SEE ELEVATION VIEW "E1" FOR LOCATIONS.
- NOTE: BALLY TO FURNISH S/S WIRE CANTILEVER SHELVES. 5-TIER, 21"-WIDE (AS SHOWN)
- NOTE: BALLY TO FURNISH (1) 4-1/2" DIAMETER THERMOMETERS WITH 5' SENSORS.
- NOTE: BALLY TO FURNISH (1) MODULARM DATA HUB SYSTEM W/ PHONE DIALER. (SHIPPED LOOSE)
- NOTE: BALLY TO FURNISH (6) K1810 LE.D. LIGHTS. LIGHTS INSTALLED AND WIRED BY OTHERS.



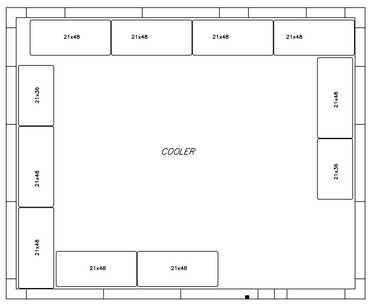
Elevation: (E-1)



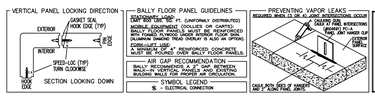
SECTION THRU BUILDING HEIGHT



Floor Layout



Shelving Layout



THIS DRAWING IS TO BE USED FOR "APPROVAL ONLY".

-> DO NOT USE THIS DRAWING FOR INSTALLATION!

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NSF

SIGNED APPROVAL

SIGNED _____

DATE _____

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REV	DESCRIPTION	BY	DATE
2	Revised To (1) Compartment	JWM	02/05/13
1	Revised Layout, Added MCWF Opening, & Light Switch	JWM	01/02/13

Bally REFRIGERATED BOXES INC.

BALLY (PA OFFICE): 130 LUTZ LANE (SHIP) WORCESTER, PA 19490 PHONE: (610) 584-7000 FAX: (610) 584-3334

BALLY (NC OFFICE): 20 NORTH FRONT ST. (SUITE 9) BALLY, PA 19503 PHONE: (610) 755-2255 FAX: (610) 755-2211

FOR KIRK MIDDLE SCHOOL
Christina, DE

DRAWING NUMBER	122726AD
DRAWN BY	JWM
CHK'D BY	
DATE	10/30/12
ORDER NUMBER	122726

ADVANCED FOODSERVICE SOLUTIONS

INTERNATIONAL CONSULTANTS OF FOODSERVICE BUSINESS & DESIGN
424 HILLSIDE DRIVE
MOUNTVILLE ,PA.
17554 U.S.A.
717-522-1102

Project Executive: Justin Joseph Silverthorn
Drawn/CAD By: RMS/JJS
Date Drawn:
Scale: AS NOTED

Project Number
12-0173

REV.	REVISION DESCRIPTION	BY	DATE
2	UPDATED REFRIGERATION SHOP DRAWING	RMS	02.20.2013

EI ASSOCIATES
ARCHITECTURE · ENGINEERING
366 E. Main St., Suite 200 · Newark, DE 19711 · (302) 733-7555

SCALE	AS NOTED
DRAWN BY	RMS
DESIGNED BY	JJS
CHECKED BY	ACS
APPROVED BY	JJS
PROJECT MANAGER	JJS

PROJECT
KITCHEN IMPROVEMENTS TO THE
KIRK MIDDLE SCHOOL
140 BRENNEN DRIVE NEWARK, DE 19713
FOR THE
CHRISTINA SCHOOL DISTRICT
600 N. LOMBARD STREET WILMINGTON, DE 19801

TITLE
FOODSERVICE EQUIPMENT
REFRIGERATION SCHEDULE

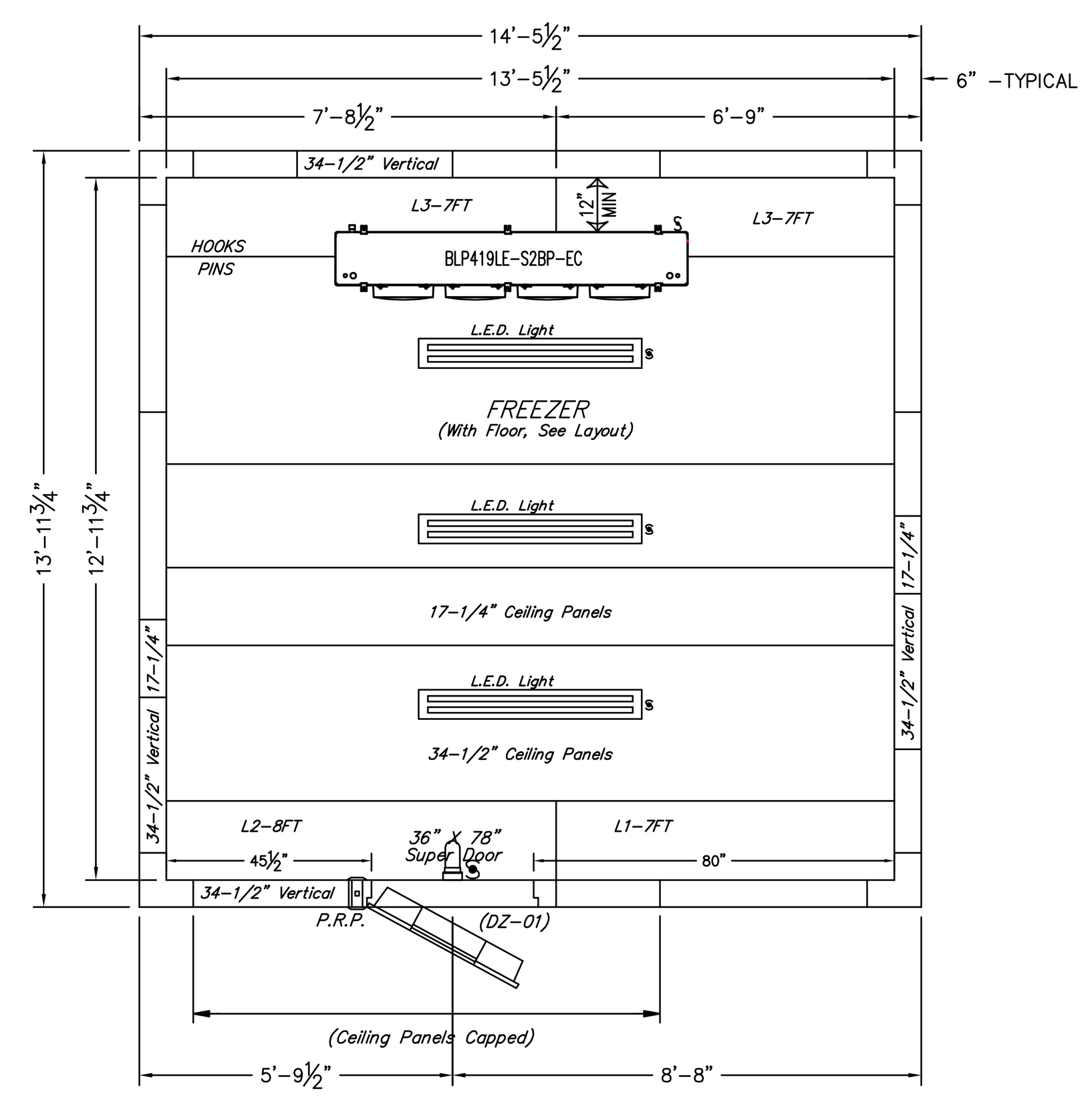
CD DRAWING NO.

EA PROJECT NO.
PP7279

EIA DRAWING NO.
FS-1.6

ISSUE DATE: FEB. 20 2013

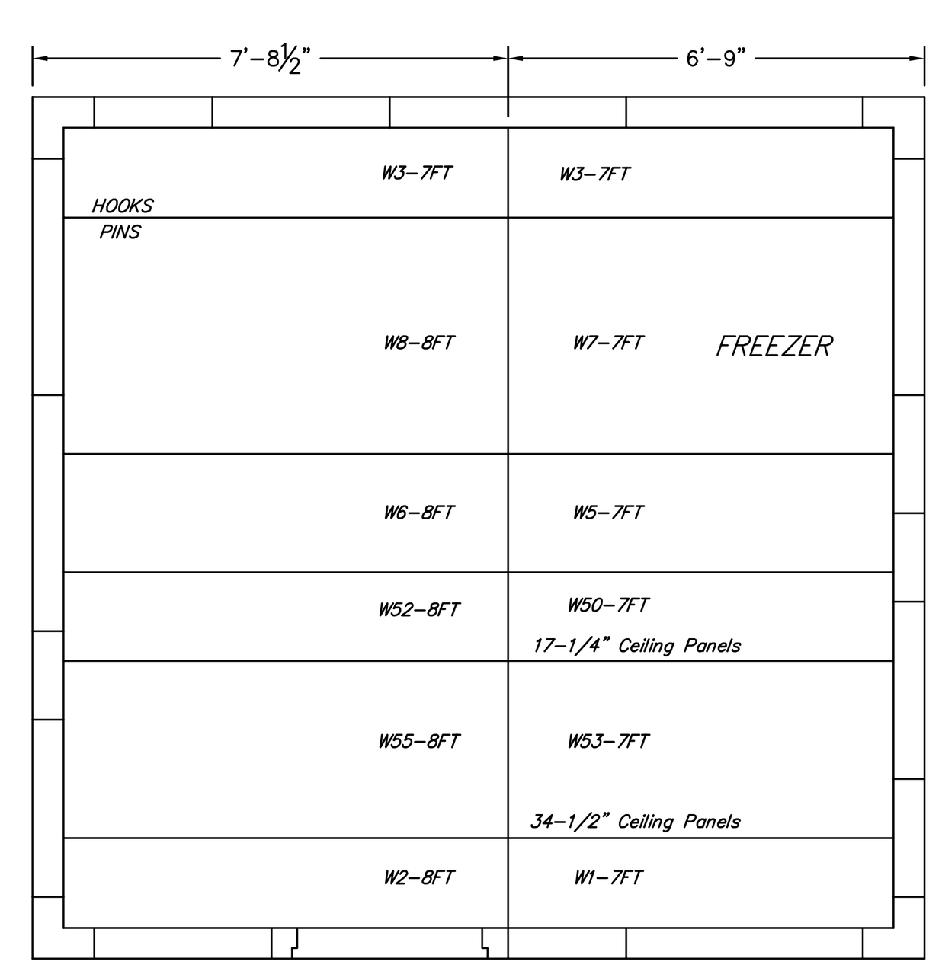
REVISION: 2



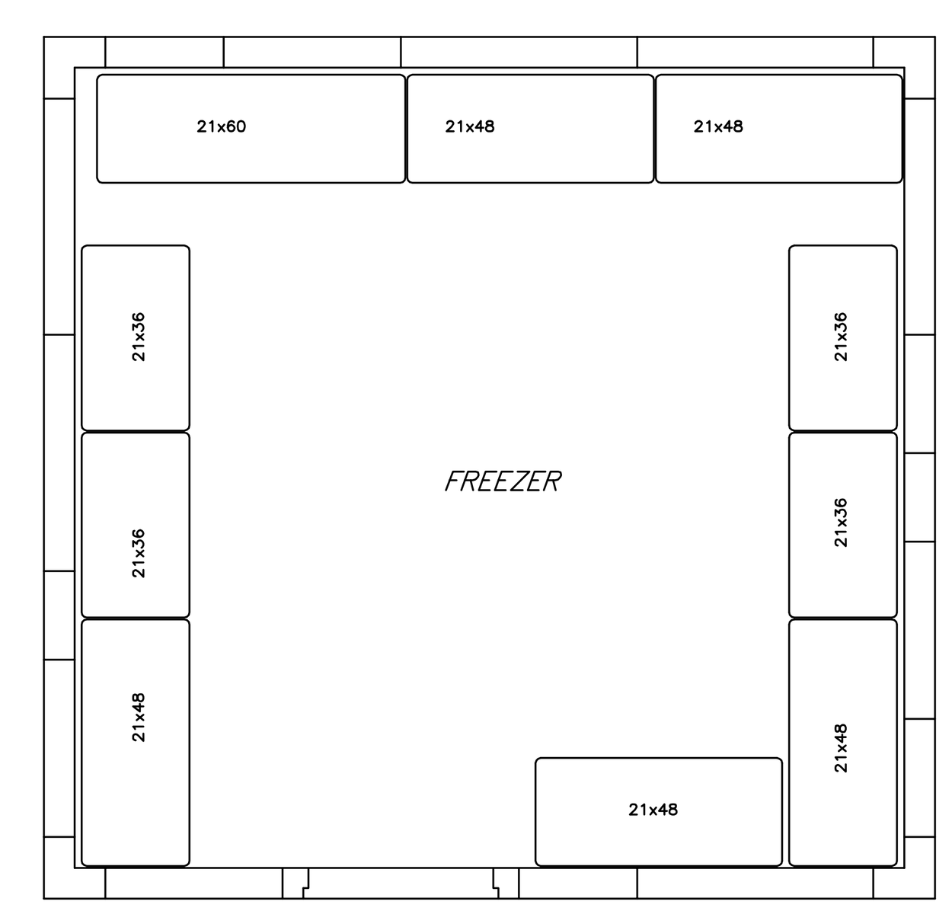
Ceiling & Vertical Layout

PLAN VIEW–B

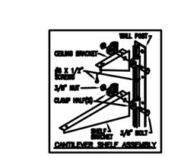
SCALE: 3/8" = 1' – 0"

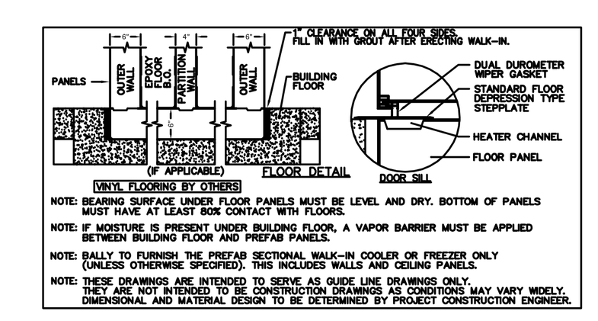


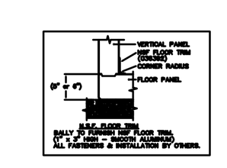
Floor Layout



Shelving Layout







SPECIFICATIONS

14'–5 1/2" X 13'–11 3/4" X 7'–10" W/ 6" PANELS

INSTALLATION

- INDOOR
- LOADING HEIGHT – AT LEAST 24" OF OPEN SPACE MUST BE MAINTAINED BETWEEN TOP OF PRODUCT AND CEILING PANELS
- INTERIOR ACCESS SPEED–LOK HOLES ARE FURNISHED STANDARD ON ALL MULTI–SPAN CEILING PANELS IF EXTERIOR ACCESS IS REQUIRED, PLEASE CHECK BOX. ☐

INSULATION

- FOAMED IN–PLACE POURED URETHANE

EXTERIOR FINISH

- EMBOSSED STAINLESS STEEL AS SHOWN
- EMBOSSED GALVALUME REMAINDER

INTERIOR FINISH

- SMOOTH STAINLESS STEEL

FLOOR FINISH

- (INTERIOR) GALVANIZED STEEL (EXPOXY OVERLAY B.O.)
- (EXTERIOR) EMBOSSED GALVALUME

DOORS/ACCESSORIES

- (1) 36" X 78" LEFT SWING 6" HINGED WALK–IN DOOR
  Door Options:
  (1) 14" x 24" Obs. Window (Heated) W/Ext. Cross–Over Cord
  (1) Super Doors: 4th Hinge & 36" High Dia. Tread In & Out
  (1) Heated Threshold With Depression Stepplate
  (1) Less Thermometer
  (1) Foot Treadle
  (1) Kason L.E.D. Light
  (1) Pressure Relief Port

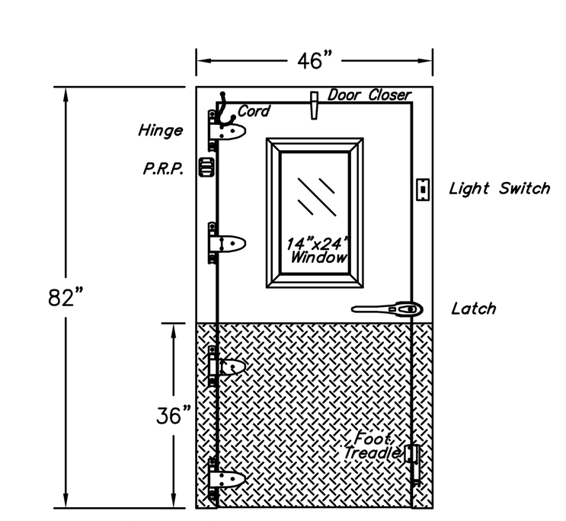
REFRIGERATION – BY BALLY

QTY	H/P	RFGT TYPE	MODEL NUMBER	POWER SUPPLY	COMPRESSOR RLA	COMPRESSOR LRA	FAN MTRS QTY	FAN MTRS HP	FAN MTRS FLA	TOTAL WATTS DEFROST	AMPS	MCA	MAX FUSE	CMPT
1	5.5	R404A	BQZA055L6-HT3AG	208–230/3/60	21.4	123.0	2		1.7			30.2	50	F
1			BLP419LE-S2BP-EC	208–230/1/60			4	1/20	0.6	3560	15.5	19.3	20	F

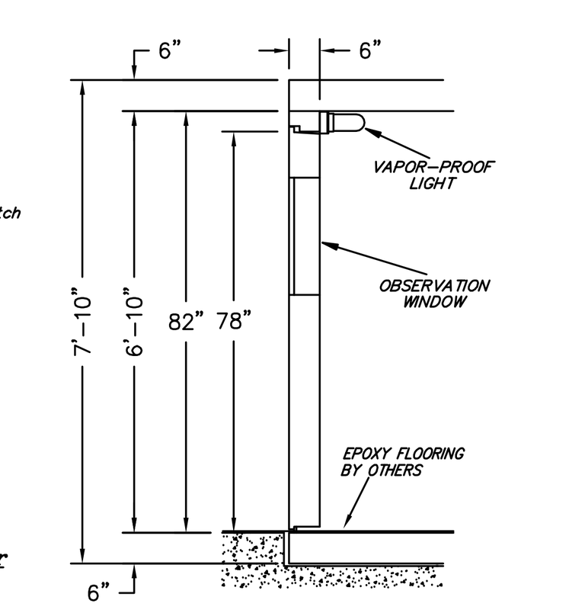
- (1) Heated & Insulated Receivers
- (1) Sound Insulated Compressor

GENERAL NOTES

- NOTE: BALLY TO FURNISH S/S WIRE CANTILEVER SHELVES. 5–TIER, 21"–WIDE (AS SHOWN)
- NOTE: BALLY TO FURNISH (1) 4–1/2" DIAMETER THERMOMETERS WITH 5' SENSORS.
- NOTE: BALLY TO FURNISH (1) MODULARM DATA HUB SYSTEM W/ PHONE DIALER. (SHIPPED LOOSE)
- NOTE: BALLY TO FURNISH (3) K1810 LE.D. LIGHTS. LIGHTS INSTALLED AND WIRED BY OTHERS.

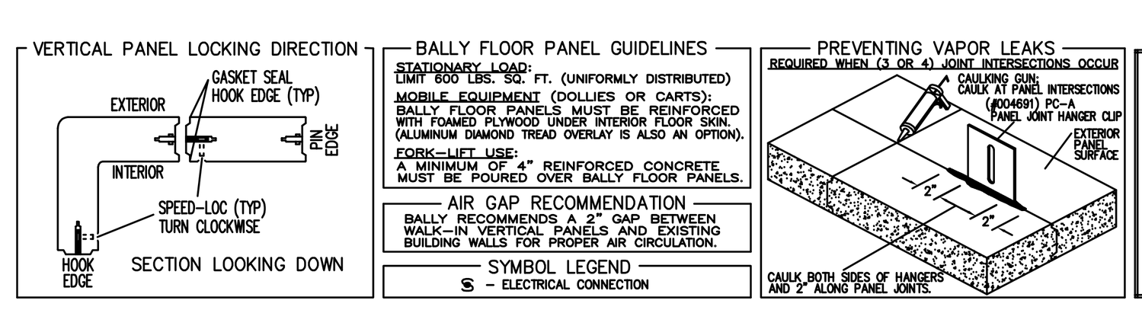


36" X 78" Left Hinged Walk–in Door
(DOOR PANEL EXTERIOR ELEVATION)
SCALE: NONE



SECTION THRU BUILDING HEIGHT

SCALE: 3/8" = 1' – 0" SHEET 2 OF 2



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1	Revised Layout, Added MCWF Opening, & Light Switch	JWM	01/02/13

Bally REFRIGERATED BOXES INC.
BALLY (NC OFFICE) 135 LITTLE NINE DRIVE MOREHEAD CITY, NC 28557 PHONE: (252) 240–2829 FAX: (252) 240–0384
BALLY (PA OFFICE) 20 NORTH FRONT ST. (SUITE 8) BALLY, PA 19503 PHONE: (610) 702–2210 FAX: (610) 702–2211

FOR KIRK MIDDLE SCHOOL
Christina, DE

DRAWING NUMBER 122726BD | DATE 10/30/12
DRAWN BY JWM | ORDER NUMBER 122726
LBL'D BY | DATE LBL'D | CHK'D BY

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Project Executive: Justin Joseph Silverthorn
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EI ASSOCIATES
ARCHITECTURE · ENGINEERING
366 E. Main St., Suite 200 · Newark, DE 19711 · (302) 733–7555

CLIENT DWG. NO.

SCALE: AS NOTED
DRAWN BY: RMS
DESIGNED BY: JJS
CHECKED BY: ACS
APPROVED BY: JJS
PROJECT MANAGER: JJS

PROJECT: KITCHEN IMPROVEMENTS TO THE KIRK MIDDLE SCHOOL, 140 BRENNEN DRIVE NEWARK, DE 19713, FOR THE CHRISTINA SCHOOL DISTRICT, 600 N. LOMBARD STREET WILMINGTON, DE 19801

TITLE: FOODSERVICE EQUIPMENT REFRIGERATION SCHEDULE

EIA PROJECT NO. PP7279
EIA DRAWING NO. FS-1.7
ISSUE DATE: FEB. 20 2013
REVISION: 2